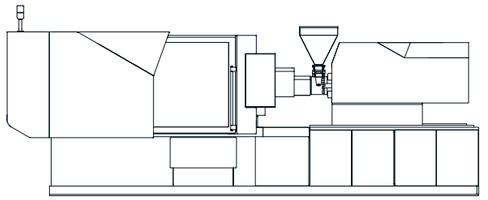

technical parameters

NEO·E

Electric
Injection Molding Machine

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t.NEO-E.202207.03

tederic
SMART INJECTION

NEO·E

Parameters

Clamping unit	Unit	NEO·E55					
Clamping force	kN	550(可升级为600)					
Clamping stroke	mm	270					
Space between tie bars	mm	360x320					
Max. mold height	mm	380					
Min. mold height	mm	150					
Ejector stroke	mm	60					
Ejector force	kN(tf)	24.5(2.5)					
No. of ejector pins	piece	5					
Max. daylight	mm	650					
Min. mold dimension	mm	250x225					
Platen dimensions (HxV)	mm	545x505					
Injection unit	Unit	e80h			e110h		
		A	B	C	A	B	C
Screw diameter	mm	20	22	25	22	25	28
Screw L/D ratio	L/D	22.0	20.0	17.6	22.7	20.0	17.9
Shot size (theoretical)	cm^3	30	36	46	40	52	65
Injection weight (PS)	g	27	33	42	36	47	59
Injection pressure	MPa	266	220	170	284	220	175
	kgf/cm^2	2720	2240	1740	2900	2240	1790
Holding pressure	MPa	213	176	136	227	176	140
	kgf/cm^2	2170	1800	1390	2320	1800	1430
Injection rate into air (PS)	g/s	114	138	179	138	179	224
Screw speed	rpm	400			400		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	94			105		
Nozzle contact force	kN(tf)	11.7(1.2)			15.7(1.6)		
Others	Unit						
Total power capacity	kW	20 (h)			21 (h)		
Heater Power	kW	4.5			5.4		
Hopper Capacity	kg	15			25		
Total machine weight	t	3.6			3.7		
Machine dimension (LxWxH)	m	4.3x1.3x1.9			4.3x1.3x1.9		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
Please inform us if you have requirement for engineering material like PVC, PMMA or some special requirement.

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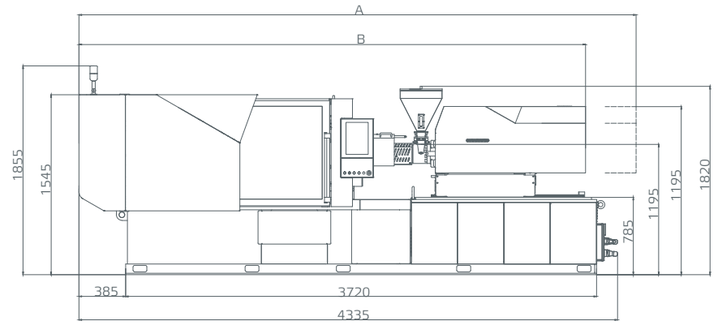
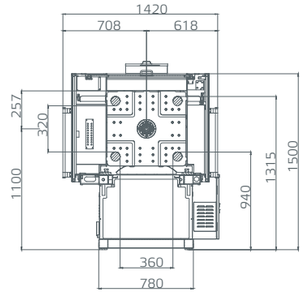
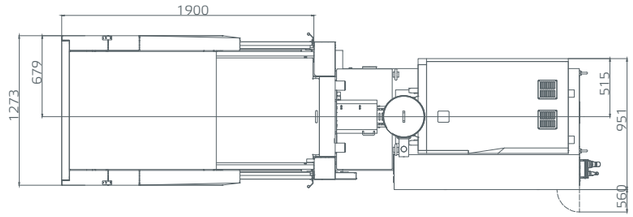
Front view of machine dimension



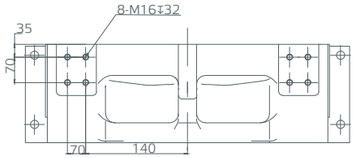
Robot installation dimension



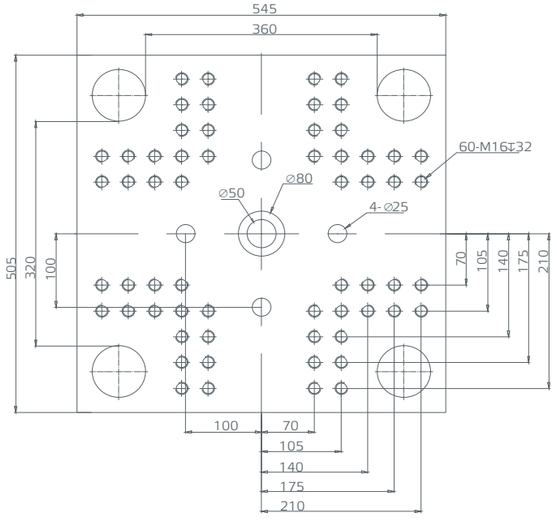
Top view of machine dimension



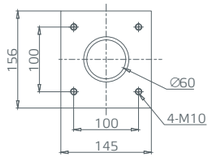
Robot fixed platen dimension



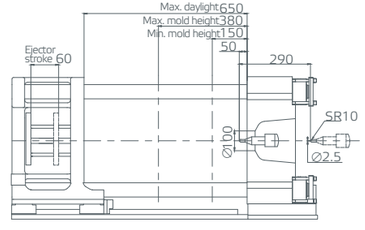
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e80h	4085	3690
e110h	4140	3740

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E85					
Clamping force	kN	850(可升级为1000)					
Clamping stroke	mm	320					
Space between tie bars	mm	420x360					
Max. mold height	mm	410					
Min. mold height	mm	150					
Ejector stroke	mm	80					
Ejector force	kN(tf)	24.5(2.5)					
No. of ejector pins	piece	5					
Max. daylight	mm	730					
Min. mold dimension	mm	295x250					
Platen dimensions (HxV)	mm	610x550					
Injection unit	Unit	e110h			e160h		
		A	B	C	A	B	C
Screw diameter	mm	22	25	28	25	28	32
Screw L/D ratio	L/D	22.7	20.0	17.9	22.4	20.0	17.5
Shot size (theoretical)	cm³	40	52	65	59	74	97
Injection weight (PS)	g	36	47	59	54	67	88
Injection pressure	MPa	284	220	175	276	220	168
	kgf/cm²	2900	2240	1790	2820	2240	1720
Holding pressure	MPa	227	176	140	221	176	135
	kgf/cm²	2320	1800	1430	2250	1800	1380
Injection rate into air (PS)	g/s	138	179	224	179	224	293
Screw speed	rpm	400			400		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	105			120		
Nozzle contact force	kN(tf)	15.7(1.6)			21.5(2.2)		
Injection unit	Unit				e160		
Injection rate into air (PS)	g/s	\			89	112	146
Max. injection speed	mm/s	\			200		
Others	Unit	e110			e160		
Total power capacity	kW	21 (h)			27(h) / 18		
Heater Power	kW	5.4			6.3		
Hopper Capacity	kg	25			25		
Total machine weight	t	4.1			4.3		
Machine dimension (LxWxH)	m	4.5x1.4x1.9			4.5x1.4x1.9		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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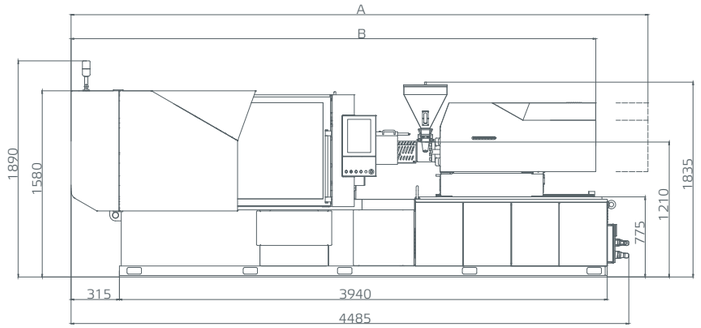
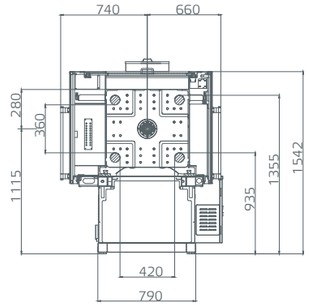
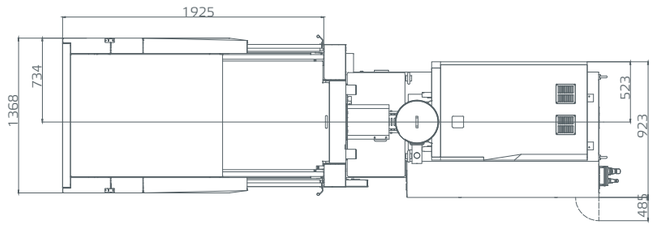
Front view of machine dimension



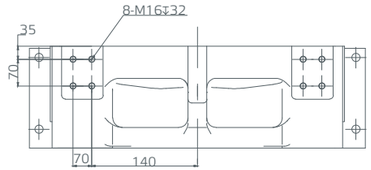
Robot installation dimension



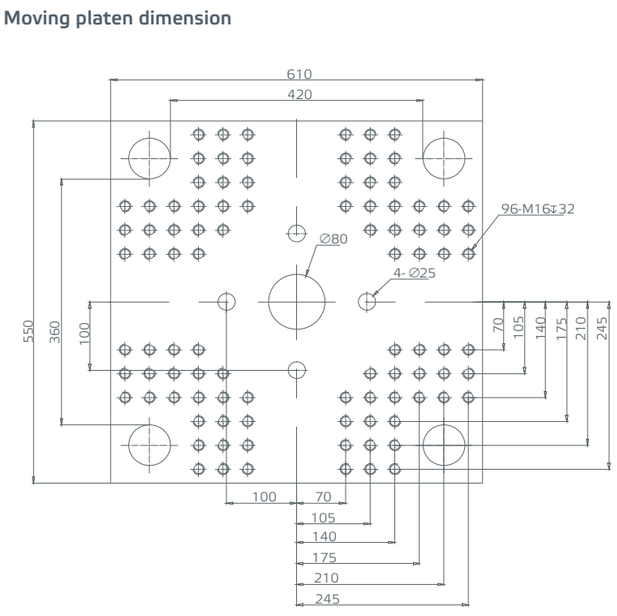
Top view of machine dimension



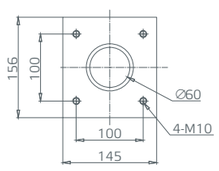
Robot fixed platen dimension



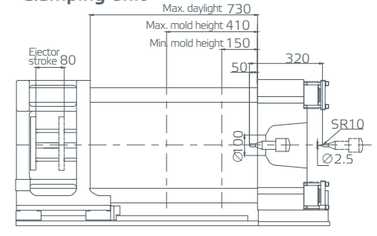
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e110h	4195	3735
e160h/e160	4385	3790

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E110					
Clamping force	kN	1100(可升级为1200)					
Clamping stroke	mm	360					
Space between tie bars	mm	470x420					
Max. mold height	mm	480					
Min. mold height	mm	160					
Ejector stroke	mm	100					
Ejector force	kN(tf)	34.3(3.5)					
No. of ejector pins	piece	5					
Max. daylight	mm	840					
Min. mold dimension	mm	330x295					
Platen dimensions (HxV)	mm	710x660					
Injection unit	Unit	e160h			e220h		
		A	B	C	A	B	C
Screw diameter	mm	25	28	32	28	32	35
Screw L/D ratio	L/D	22.4	20.0	17.5	23.0	20.0	18.3
Shot size (theoretical)	cm^3	59	74	97	83	109	130
Injection weight (PS)	g	54	67	88	76	99	118
Injection pressure	MPa	276	220	168	261	200	167
	kgf/cm^2	2820	2240	1720	2670	2040	1710
Holding pressure	MPa	221	176	135	209	160	134
	kgf/cm^2	2250	1800	1380	2130	1630	1360
Injection rate into air (PS)	g/s	179	224	293	224	293	350
Screw speed	rpm	400			400		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	120			135		
Nozzle contact force	kN(tf)	21.5(2.2)			21.5(2.2)		
Injection unit	Unit	e160			e220		
Injection rate into air (PS)	g/s	89	112	146	112	146	175
Max. injection speed	mm/s	200			200		
Others	Unit	e160			e220		
Total power capacity	kW	27(h) / 18			38(h) / 23		
Heater Power	kW	6.3			7.9		
Hopper Capacity	kg	25			25		
Total machine weight	t	5			5.3		
Machine dimension (LxWxH)	m	4.9x1.5x2.1			4.9x1.5x2.1		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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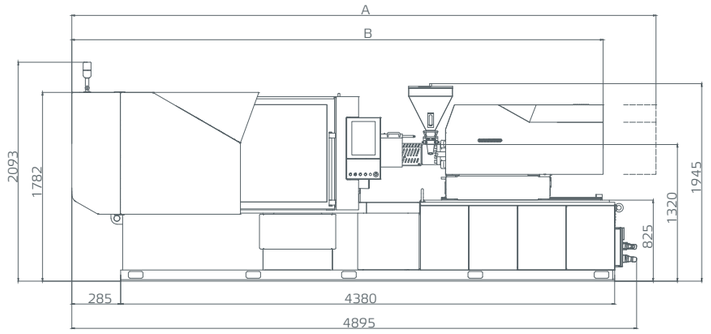
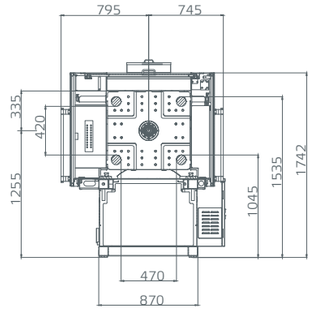
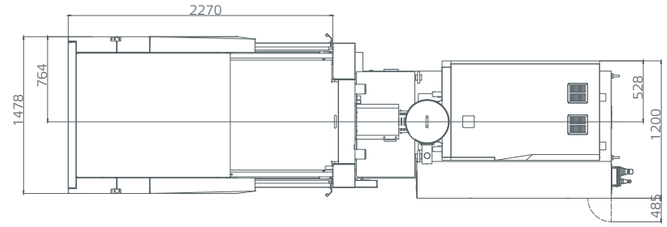
Front view of machine dimension



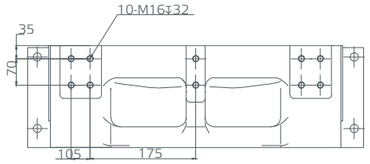
Robot installation dimension



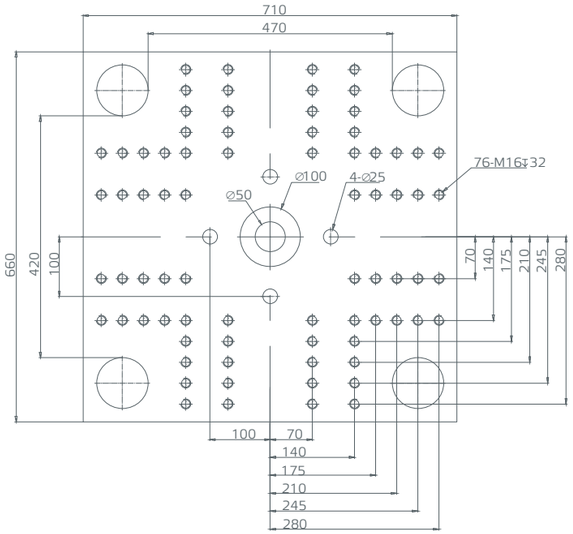
Top view of machine dimension



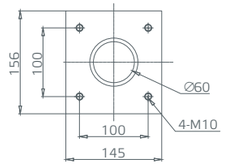
Robot fixed platen dimension



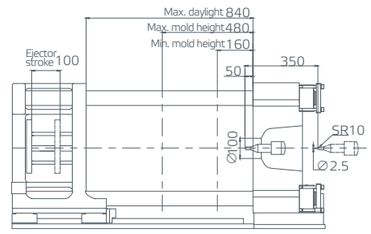
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e160h/e160	4755	4405
e220h/e220	4342	3997

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E140					
Clamping force	kN	1400(可升级为1600)					
Clamping stroke	mm	420					
Space between tie bars	mm	530x470					
Max. mold height	mm	530					
Min. mold height	mm	200					
Ejector stroke	mm	120					
Ejector force	kN(tf)	39.2(4.0)					
No. of ejector pins	piece	5					
Max. daylight	mm	950					
Min. mold dimension	mm	370x330					
Platen dimensions (HxV)	mm	770x710					
Injection unit	Unit	e220h			e360h		
		A	B	C	A	B	C
Screw diameter	mm	28	32	35	35	38	42
Screw L/D ratio	L/D	23.0	20.0	18.3	21.7	20.0	18.1
Shot size (theoretical)	cm³	83	109	130	154	181	222
Injection weight (PS)	g	76	99	118	140	165	202
Injection pressure	MPa	261	200	167	236	200	164
	kgf/cm²	2670	2040	1710	2410	2040	1670
Holding pressure	MPa	209	160	134	189	160	131
	kgf/cm²	2130	1630	1360	1920	1630	1340
Injection rate into air (PS)	g/s	224	293	350	350	413	504
Screw speed	rpm	400			400		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	135			160		
Nozzle contact force	kN(tf)	21.5(2.2)			29.4(3.0)		
Injection unit	Unit	e220			e360		
Injection rate into air (PS)	g/s	112	146	175	175	206	252
Max. injection speed	mm/s	200			200		
Others	Unit	e220			e360		
Total power capacity	kW	38(h) / 23			41(h) / 31.6		
Heater Power	kW	7.9			10.6		
Hopper Capacity	kg	25			25		
Total machine weight	t	6.5			6.9		
Machine dimension (LxWxH)	m	5.8x1.5x2.2			5.8x1.5x2.2		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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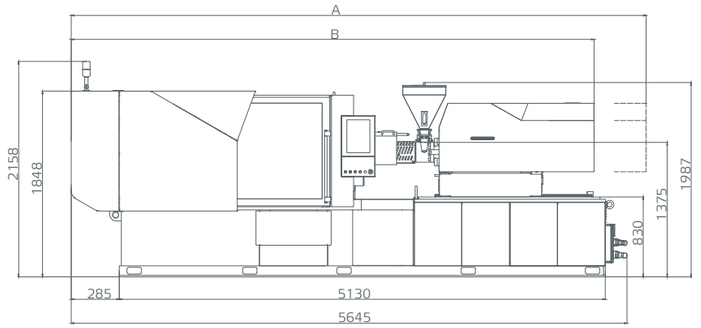
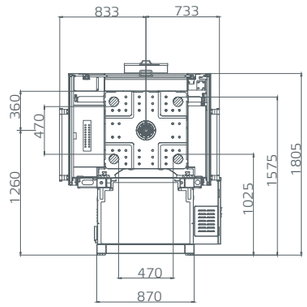
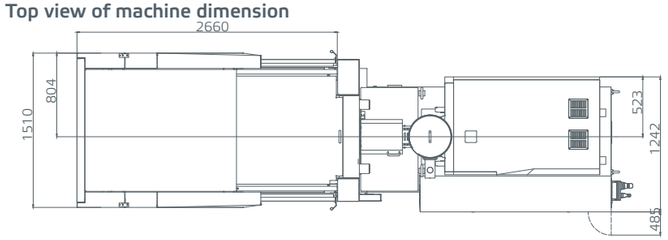
Front view of machine dimension



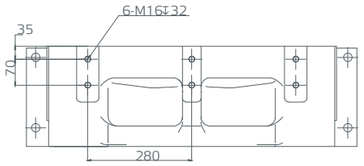
Robot installation dimension



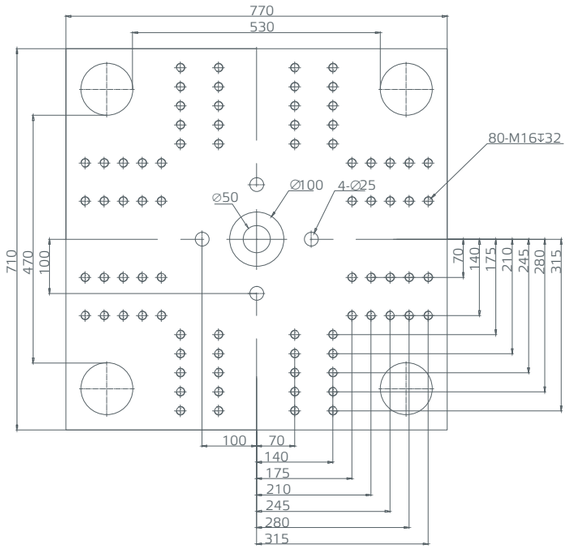
Top view of machine dimension



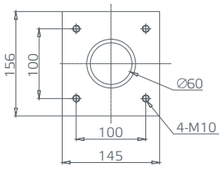
Robot fixed platen dimension



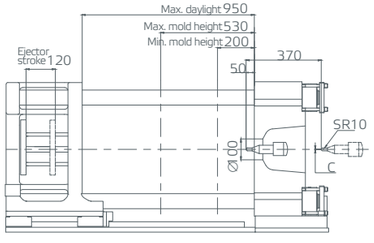
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e220h/e220	5185	4815
e360h/e360	5820	5410

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E180					
Clamping force	kN	1800(可升级为2000)					
Clamping stroke	mm	470					
Space between tie bars	mm	580x530					
Max. mold height	mm	560					
Min. mold height	mm	220					
Ejector stroke	mm	130					
Ejector force	kN(tf)	44.1(4.5)					
No. of ejector pins	piece	9					
Max. daylight	mm	1030					
Min. mold dimension	mm	410x370					
Platen dimensions (HxV)	mm	850x800					
Injection unit	Unit	e360h			e500h		
		A	B	C	A	B	C
Screw diameter	mm	35	38	42	38	42	45
Screw L/D ratio	L/D	21.7	20.0	18.1	22.1	20.0	18.7
Shot size (theoretical)	cm^3	154	181	222	204	249	286
Injection weight (PS)	g	140	165	202	186	227	261
Injection pressure	MPa	236	200	164	244	200	174
	kgf/cm^2	2410	2040	1670	2490	2040	1780
Holding pressure	MPa	189	160	131	195	160	139
	kgf/cm^2	1920	1630	1340	1990	1630	1420
Injection rate into air (PS)	g/s	350	413	504	413	504	579
Screw speed	rpm	400			350		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	160			180		
Nozzle contact force	kN(tf)	29.4(3.0)			29.4(3.0)		
Injection unit	Unit	e360			e500		
Injection rate into air (PS)	g/s	175	206	252	206	252	289
Max. injection speed	mm/s	200			200		
Others	Unit	e360			e500		
Total power capacity	kW	41(h) / 31.6			67(h) / 34		
Heater Power	kW	10.6			13.0		
Hopper Capacity	kg	25			25		
Total machine weight	t	9.1			9.5		
Machine dimension (LxWxH)	m	5.8x1.6x2.2			5.8x1.6x2.2		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
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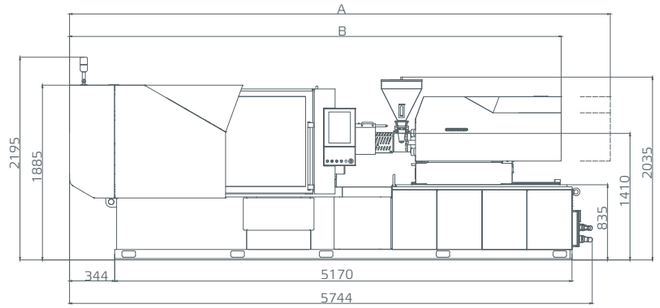
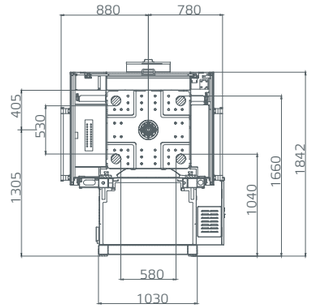
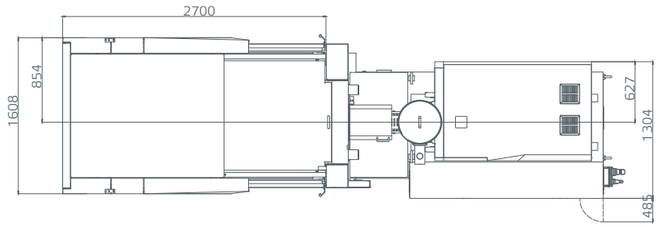
Front view of machine dimension



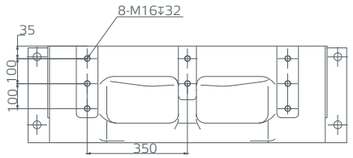
Robot installation dimension



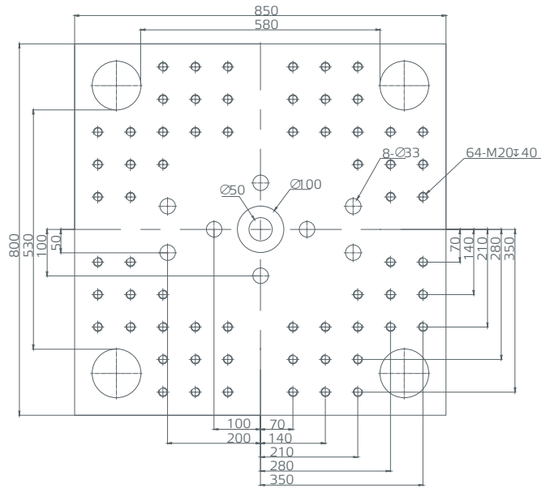
Top view of machine dimension



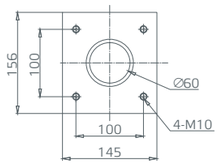
Robot fixed platen dimension



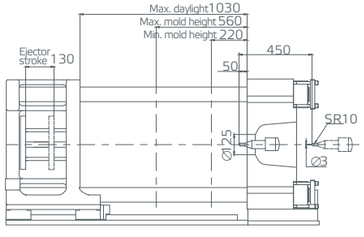
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e360h/e360	5640	5180
e500h/e500	5892	5422

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E230					
Clamping force	kN	2300(可升级为2600)					
Clamping stroke	mm	550					
Space between tie bars	mm	620x620					
Max. mold height	mm	600					
Min. mold height	mm	250					
Ejector stroke	mm	140					
Ejector force	kN(tf)	49.0(5.0)					
No. of ejector pins	piece	13					
Max. daylight	mm	1150					
Min. mold dimension	mm	435x435					
Platen dimensions (HxV)	mm	920x920					
Injection unit	Unit	e500h			e620h		
		A	B	C	A	B	C
Screw diameter	mm	38	42	45	42	45	50
Screw L/D ratio	L/D	22.1	20.0	18.7	21.4	20.0	18.0
Shot size (theoretical)	cm³	204	249	286	270	310	383
Injection weight (PS)	g	186	227	261	246	282	348
Injection pressure	MPa	244	200	174.0	230.0	200	162
	kgf/cm²	2490	2040	1780	2340	2040	1650
Holding pressure	MPa	195	160	139	184	160	130
	kgf/cm²	1990	1630	1420	1870	1630	1320
Injection rate into air (PS)	g/s	413	504	579	504	579	715
Screw speed	rpm	350			350		
Max. injection speed	mm/s	400			400		
Injection stroke	mm	180			195		
Nozzle contact force	kN(tf)	29.4(3.0)			39.2(4.0)		
Injection unit	Unit	e500			e620		
Injection rate into air (PS)	g/s	206	252	289	252	289	357
Max. injection speed	mm/s	200			200		
Others	Unit	e500			e620		
Total power capacity	kW	67(h) / 34			68(h) / 38		
Heater Power	kW	13.0			14.0		
Hopper Capacity	kg	25			25		
Total machine weight	t	11.2			11.7		
Machine dimension（LxWxH）	m	6.3x1.8x2.3			6.3x1.8x2.3		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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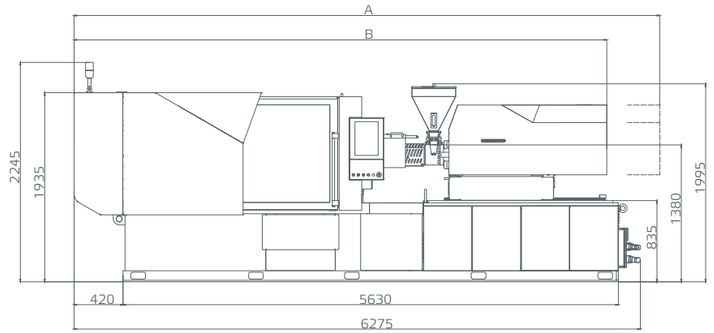
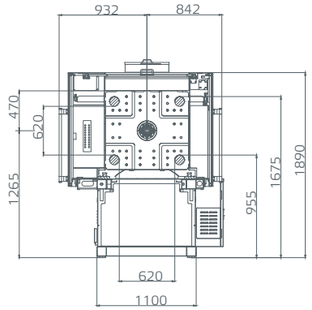
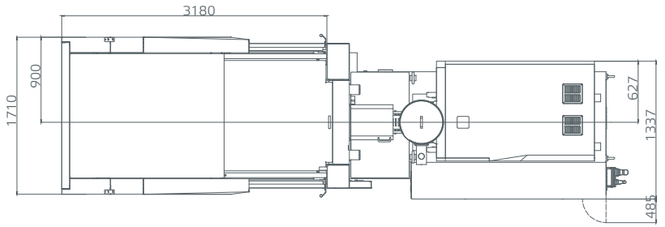
Front view of machine dimension



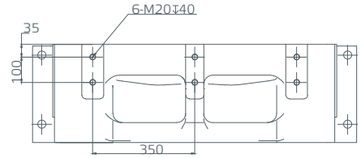
Robot installation dimension



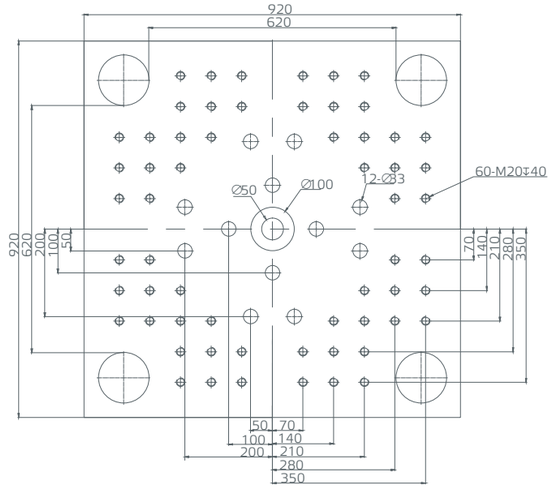
Top view of machine dimension



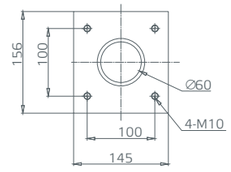
Robot fixed platen dimension



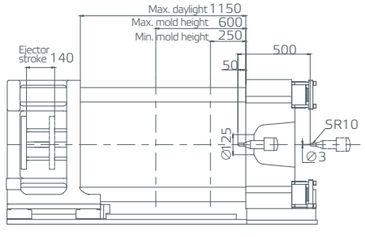
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e500h/e500	6272	5822
e620h/e620	6372	5922

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E290					
Clamping force	kN	2900(可升级为3200)					
Clamping stroke	mm	610					
Space between tie bars	mm	720x720					
Max. mold height	mm	680					
Min. mold height	mm	250					
Ejector stroke	mm	150					
Ejector force	kN(tf)	58.8(6.0)					
No. of ejector pins	piece	13					
Max. daylight	mm	1290					
Min. mold dimension	mm	505x505					
Platen dimensions (HxV)	mm	1050x1050					
Injection unit	Unit	e620h			e840h		
		A	B	C	A	B	C
Screw diameter	mm	42	45	50	45	50	55
Screw L/D ratio	L/D	21.4	20.0	18.0	22.2	20.0	18.2
Shot size (theoretical)	cm³	270	310	383	342	422	511
Injection weight (PS)	g	246	282	348	311	384	465
Injection pressure	MPa	230	200	162	247	200	165
	kgf/cm²	2340	2040	1650	2520	2040	1690
Holding pressure	MPa	184	160	130	198	160	132
	kgf/cm²	1870	1630	1320	2020	1630	1350
Injection rate into air (PS)	g/s	504	579	715	434	536	649
Screw speed	rpm	350			300		
Max. injection speed	mm/s	400			300		
Injection stroke	mm	195			215		
Nozzle contact force	kN(tf)	39.2(4.0)			49.0(5.0)		
Injection unit	Unit	e620			e840		
Injection rate into air (PS)	g/s	252	289	357	232	286	346
Max. injection speed	mm/s	200			160		
Others	Unit	e620			e840		
Total power capacity	kW	68 (h) / 38			75 (h) / 61		
Heater Power	kW	14.0			18.7		
Hopper Capacity	kg	25			50		
Total machine weight	t	13.6			16		
Machine dimension (LxWxH)	m	6.7x2.0x2.4			7.0x2.0x2.4		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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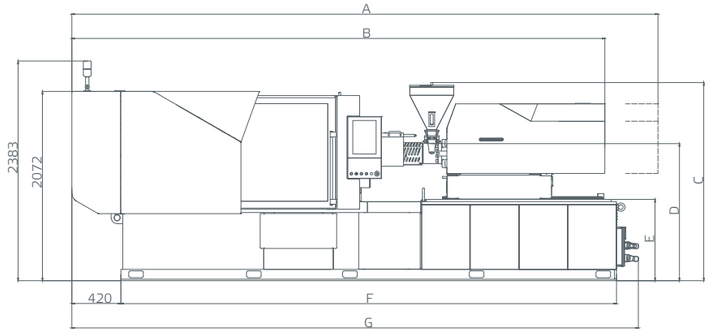
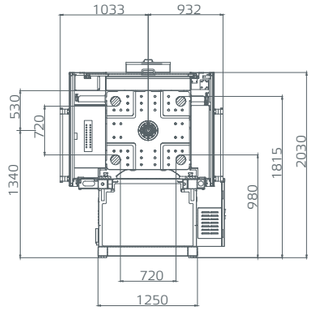
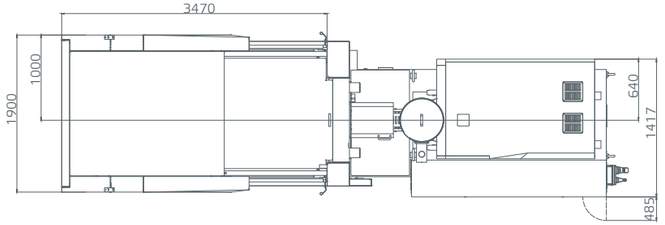
Front view of machine dimension



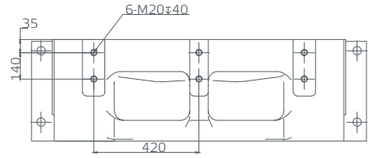
Robot installation dimension



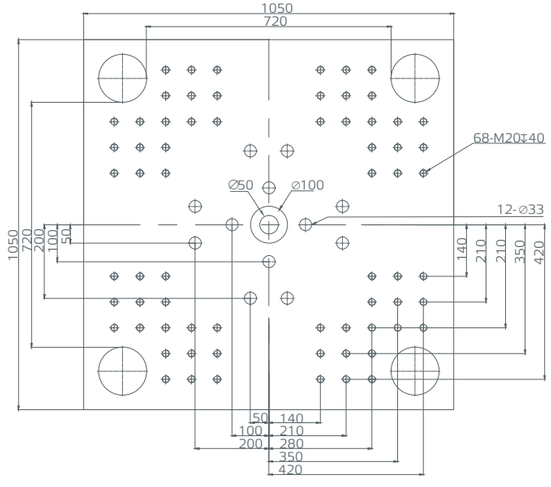
Top view of machine dimension



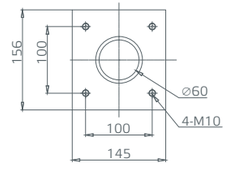
Robot fixed platen dimension



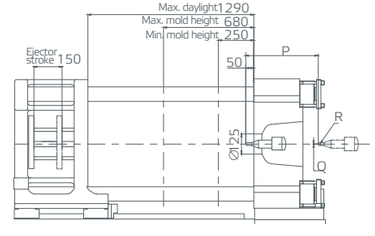
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	G	P	Q	R
e620h/e620	6707	6188	2071	1445	830	5945	6591	500	∅3	SR10
e840h/e840	7283	6673	2221	1360	835	6395	7045	550	∅4	SR15

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E360					
Clamping force	kN	3600(可升级为4000)					
Clamping stroke	mm	710					
Space between tie bars	mm	820x820					
Max. mold height	mm	720					
Min. mold height	mm	250					
Ejector stroke	mm	160					
Ejector force	kN(tf)	58.8(6.0)					
No. of ejector pins	piece	17					
Max. daylight	mm	1430					
Min. mold dimension	mm	575x575					
Platen dimensions (HxV)	mm	1160x1160					
Injection unit	Unit	e1100h			e1400h		
		A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	65
Screw L/D ratio	L/D	22.0	20.0	18.3	21.8	20.0	18.5
Shot size (theoretical)	cm^3	471	570	679	618	735	863
Injection weight (PS)	g	429	519	618	562	669	785
Injection pressure	MPa	224	185	155	220	185	158
	kgf/cm^2	2280	1890	1590	2250	1890	1610
Holding pressure	MPa	179	148	124	176	148	126
	kgf/cm^2	1830	1510	1270	1800	1510	1290
Injection rate into air (PS)	g/s	536	649	772	649	772	906
Screw speed	rpm	350			350		
Max. injection speed	mm/s	300			300		
Injection stroke	mm	240			260		
Nozzle contact force	kN(tf)	49.0(5.0)			49.0(5.0)		
Injection unit	Unit	e1100			e1400		
Injection rate into air (PS)	g/s	286	346	412	346	412	483
Max. injection speed	mm/s	160			160		
Others	Unit	e1100			e1400		
Total power capacity	kW	92 (h) / 62			104 (h) / 74		
Heater Power	kW	20.4			24.0		
Hopper Capacity	kg	50			50		
Total machine weight	t	21			22		
Machine dimension (LxWxH)	m	7.9x2.0x2.3			7.9x2.0x2.4		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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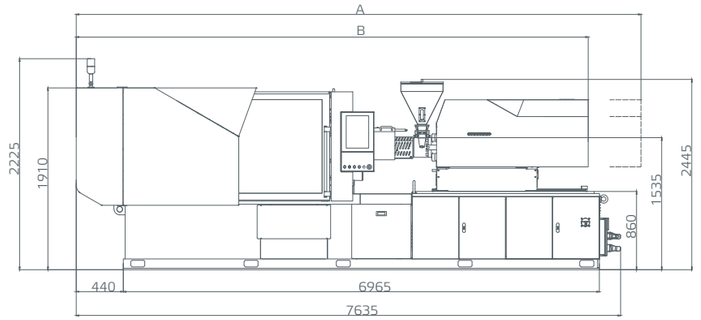
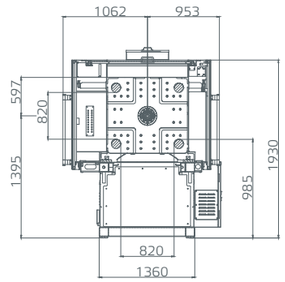
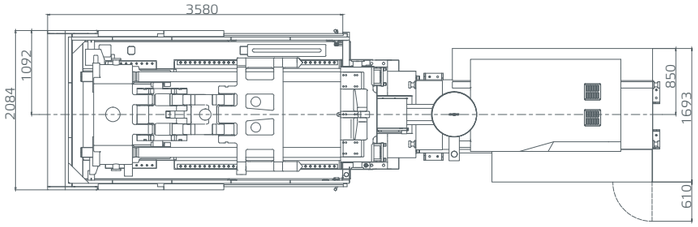
Front view of machine dimension



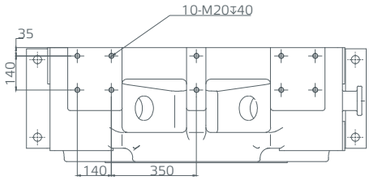
Robot installation dimension



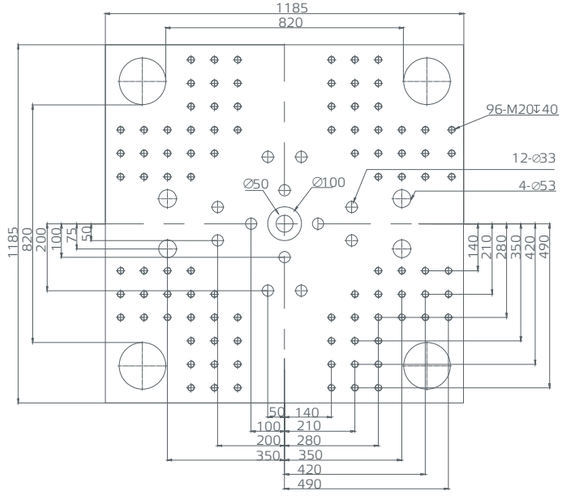
Top view of machine dimension



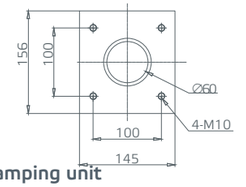
Robot fixed platen dimension



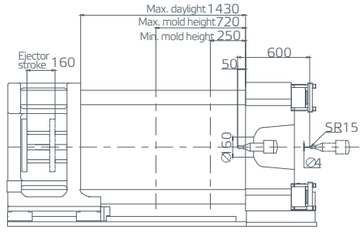
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e1100h/e1100	7900	7300
e1400h/e1400	8000	7400

Unit:mm

NEO·E

Parameters

Clamping unit	Unit	NEO·E460					
Clamping force	kN	4600(可升级为5000)					
Clamping stroke	mm	810					
Space between tie bars	mm	870x870					
Max. mold height	mm	820					
Min. mold height	mm	350					
Ejector stroke	mm	180					
Ejector force	kN(tf)	98.0(10.0)					
No. of ejector pins	piece	17					
Max. daylight	mm	1630					
Min. mold dimension	mm	610x610					
Platen dimensions (HxV)	mm	1280x1280					
Injection unit	Unit	e1400h			e1700h		
		A	B	C	A	B	C
Screw diameter	mm	55	60	65	60	65	70
Screw L/D ratio	L/D	21.8	20.0	18.5	21.7	20.0	18.6
Shot size (theoretical)	cm³	618	735	863	792	929	1078
Injection weight (PS)	g	562	669	785	720	846	981
Injection pressure	MPa	220	185	158	217	185	160
	kgf/cm²	2250	1890	1610	2220	1890	1630
Holding pressure	MPa	176	148	126	174	148	126
	kgf/cm²	1800	1510	1290	1770	1510	1300
Injection rate into air (PS)	g/s	649	772	906	643	755	876
Screw speed	rpm	350			250		
Max. injection speed	mm/s	300			250		
Injection stroke	mm	260			280		
Nozzle contact force	kN(tf)	49.0(5.0)			58.8(6.0)		
Injection unit	Unit	e1400			e1700		
Injection rate into air (PS)	g/s	346	412	483	412	483	560
Max. injection speed	mm/s	160			160		
Others	Unit	e1400			e1700		
Total power capacity	kW	104 (h) / 74			108 (h) / 89		
Heater Power	kW	24.0			28.4		
Hopper Capacity	kg	50			50		
Total machine weight	t	26			27		
Machine dimension (LxWxH)	m	8.6x2.1x2.4			8.8x2.1x2.4		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth data can be set as per your requirement.
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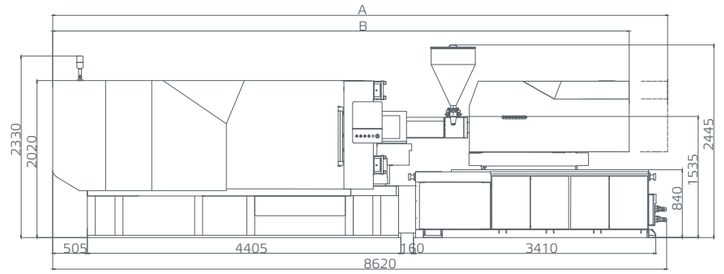
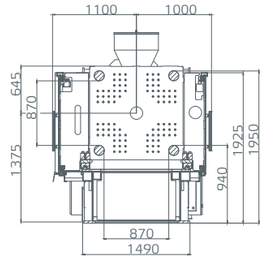
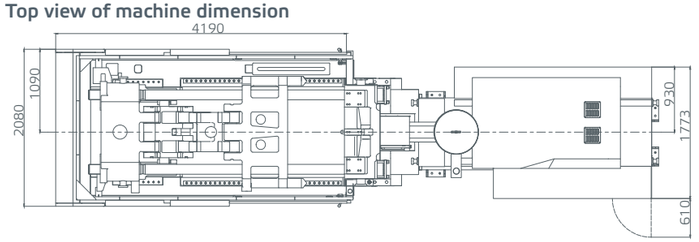
Front view of machine dimension



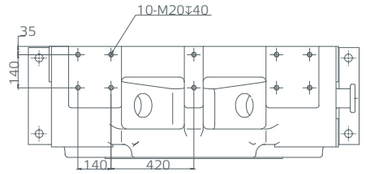
Robot installation dimension



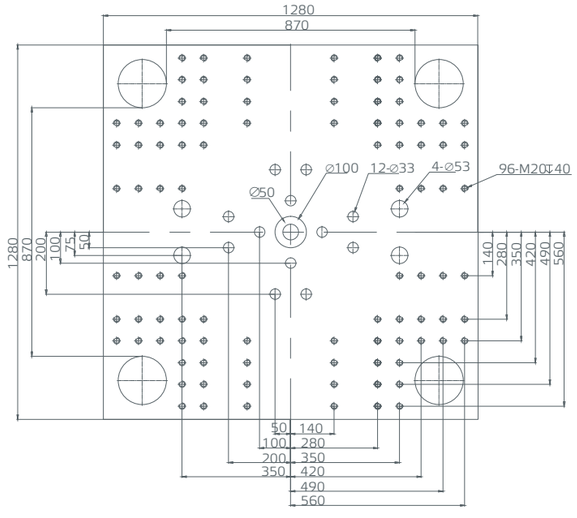
Top view of machine dimension



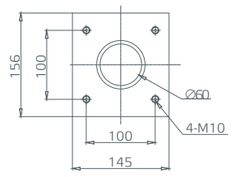
Robot fixed platen dimension



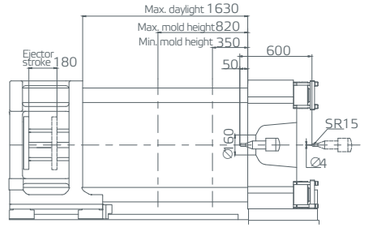
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e1400h/e1400	8315	7715
e1700h/e1700	8865	8265

Unit:mm

NEO·E

Components & functions list

For clamping

Function description / Clamping unit	NEO·E55-NEO·E180	NEO·E230-NEO·E460
Platen with tapped holes	●	●
Platen with T slots	○	○
Platen (According to EUROMAP2)	○	○
High rigid 5 points clamping unit	●	●
Mechanical & electrical safety	●	●
Electric motor for mould height adjusting	●	●
Auto-mold height adjusting function	●	●
Second clamping function	●	●
Auto central lubrication system	●	●
Overload line guide rail for moving platen	●	●
Mobile security lid for clamping area	●	○
Auto safety door		○
Front safety door mechanical lock	●	●
Back safety door mechanical lock	○	○
Robot mechanical interface	●	●
Mold protection	●	●
Eject during cooling	●	●
Eject pin return confirm	●	●
Ejection process checking connector	●	●
Eject motor with break	●	●
Six groups quick coupling of water regulator (10mm)	●	
Eight groups quick coupling for water regulator (10mm)	○	●
Two air blow circuits	●	●
Glass water flow regulators	○	○
Hydraulic corepulling device	○	○
Pneumatic corepulling device	○	○
Inclined plate for material feed-throat	○	○
Products dropping test device	○	○

● Standard ○ Optional

For injection

Function description/ Injection unit	e80-e1700
Standard screw	●
Other screw	○
Shut off nozzle	○
Linear electric injection structure	●
Ball screw moving carriage system	●
Constant force nozzle contact device	●
Screw rotating speed display	●
Electrical plasticizing	●
Temp-monitoring for material feeding throat	●
Temp-monitoring for ball screw	●
Double barrel insulation cover	●
Nozzle cover	●
Auto centralized lubrication device	●
Ceramic heater band	●
Ball Screw mobile feed hopper	●

● Standard ○ Optional

NEO·E

Components & functions list

For electic

Function description / Clamping unit	NEO·E55-NEO·E110	NEO·E140-NEO·E460
KEBA controller	●	●
Memory with 200 sets of mold parameters	●	●
12" color touch display screen	●	
15" color touch display screen		●
All action instant monitoring	●	●
Production monitoring	●	●
Failure alarm display	●	●
Changeover from injection fill to hold by injection pressure	●	●
I/O monitoring interface	●	●
3 color light (with buzzer)	●	●
Motor overload protection	●	●
Front/back door emergency stop switch	●	●
5 pins socket of 380V/32A, two groups 5 pins socket of 380V/16A, one group 3 pins socket of 220V/16A, one group Socket of 220V/10A, one group	●	●
EUROMAP 12 robot interface	●	●
EUROMAP 67 robot interface	○	○
Double protection for heating	●	●
Safety relay monitoring	●	●
SSR heating control	●	●
Central network control system	○	○
Hot runner control system & interface	○	○
Instant power consumption monitoring	●	●
Instant clamping force monitoring	○	○
Instant clamping force monitoring self-adjusting function	○	○
Injection pressure and speed in waveform display	●	●
Multiple languages switching	●	●
Preplasticizing Eject while mould open function	●	●
Coordinate Heating	●	●
Anti cold start function	●	●
Auto residual material cleaning function	●	●
Power off self protection function	●	●

● Standard ○ Optional

For others

Function description / Other	NEO·E55-NEO·E460
Tederic standard color	●
Shock-proof pad	●
Foundation steel plate, Foundation anchor bolts	○
Spare parts box, tools, mold, clamps, easy broken parts, and operation manual	●
Robot	○
Magnetic (for hopper dryer)	○
Chiller	○
Mould temp controller	○
Dehumidifier	○
Autoloader	○
Fumigate wood packaging	○
Products fetching platform	○

● Standard ○ Optional

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E168c								
Clamping force	kN	1680								
Clamping stroke	mm	400								
Space between tie bars	mm	520x460								
Max. mold height	mm	530								
Min. mold height	mm	200								
Ejector stroke	mm	120								
Ejector force	kN	56								
No. of ejector pins	piece	5								
Max. daylight	mm	930								
Min. mold dimension	mm	365x320								
Platen dimensions (HxV)	mm	770x720								
Injection unit	Unit	e360			e500			e620		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	35	38	42	38	42	45	42	45	50
Screw L/D ratio	L/D	21.7	20.0	18.1	22.1	20.0	18.7	21.4	20.0	18.0
Shot size (theoretical)	cm^3	154	181	222	204	249	286	270	310	383
Injection weight (PS)	g	140	165	202	186	227	261	246	282	348
Injection pressure	MPa	236	200	164	244	200	174	230	200	162
	kgf/cm^2	2410	2040	1670	2490	2040	1780	2340	2040	1650
Holding pressure	MPa	189	160	131	195	160	139	184	160	130
	kgf/cm^2	1920	1630	1340	1990	1630	1420	1870	1630	1320
Injection rate into air (PS)	g/s	175	206	252	206	252	289	252	289	357
Screw speed	rpm	400			350			350		
Max. injection speed	mm/s	200			200			200		
Injection stroke	mm	160			180			195		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e360h			e500h			e620h		
Max. injection speed	mm/s	400			400			400		
Injection rate into air	g/s	350	413	504	413	504	579	504	579	715
Others	Unit	e360/e360h			e500/e500h			e620/e620h		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	11			11			11		
Total power capacity	kW	31.6/41 (h)			34/67 (h)			38/68 (h)		
Heater power	kW	10.6			13.0			14.0		
Hopper capacity	kg	25			25			25		
Oil tank capacity	L	80			80			80		
Total machine weight	t	7.6			8			8.1		
Machine dimension (LxWxH)	m	5.6×1.5×2.2			5.7×1.5×2.2			5.8×1.5×2.2		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
Please inform us if you have requirement for engineering material like PVC, PMMA or some special requirement.

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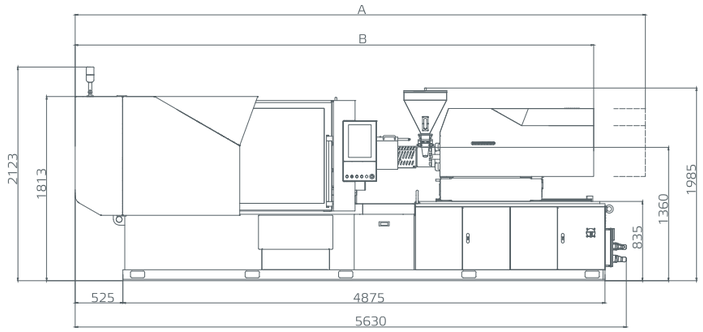
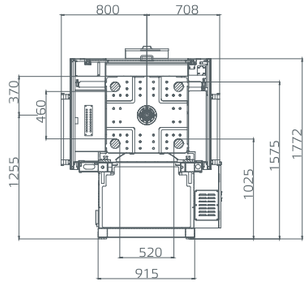
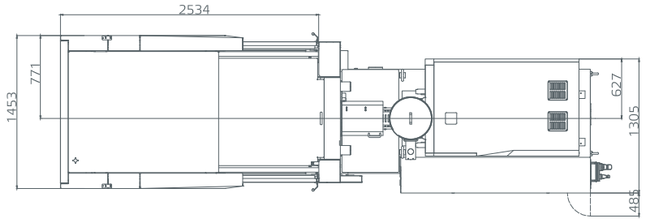
Front view of machine dimension



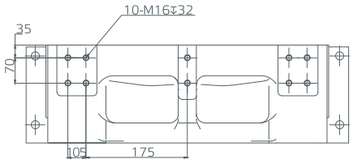
Robot installation dimension



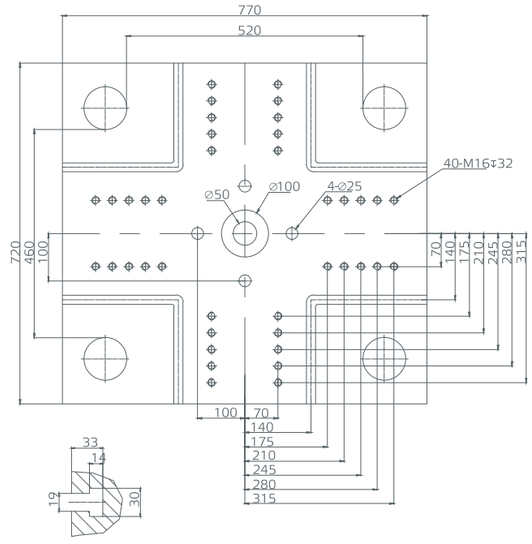
Top view of machine dimension



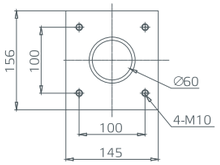
Robot fixed platen dimension



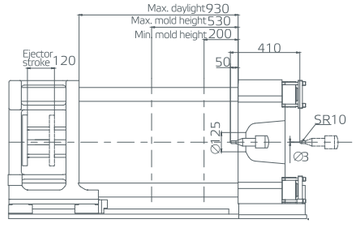
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B
e360/e360h	5451	5040
e500/e500h	5744	5284
e620/e620h	5803	5343

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E208c								
Clamping force	kN	2080								
Clamping stroke	mm	450								
Space between tie bars	mm	570x500								
Max. mold height	mm	560								
Min. mold height	mm	220								
Ejector stroke	mm	130								
Ejector force	kN	56								
No. of ejector pins	piece	9								
Max. daylight	mm	1010								
Min. mold dimension	mm	385x350								
Platen dimensions (HxV)	mm	850x800								
Injection unit	Unit	e500			e620			e840		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	38	42	45	42	45	50	45	50	55
Screw L/D ratio	L/D	22.1	20.0	18.7	21.4	20	18.0	22.2	20.0	18.2
Shot size (theoretical)	cm³	204	249	286	270	310	383	342	422	511
Injection weight (PS)	g	186	227	261	246	282	348	311	384	465
Injection pressure	MPa	244	200	174	230	200	162	247	200	165
	kgf/cm²	2490	2040	1780	2340	2040	1650	2520	2040	1690
Holding pressure	MPa	195	160	139	184	160	130	198	160	132
	kgf/cm²	1990	1630	1420	1870	1630	1320	2020	1630	1350
Injection rate into air (PS)	g/s	206	252	289	252	289	357	232	286	346
Screw speed	rpm	350			350			300		
Max. injection speed	mm/s	200			200			160		
Injection stroke	mm	180			195			215		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e500h			e620h			e840h		
Max. injection speed	mm/s	400			400			300		
Injection rate into air	g/s	413	504	579	504	579	715	434	536	649
Others	Unit	e500/e500h			e620/e620h			e840/e840h		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	11			11			11		
Total power capacity	kW	34/67 (h)			38/68 (h)			61/75 (h)		
Heater power	kW	13.0			14.0			18.7		
Hopper capacity	kg	25			25			50		
Oil tank capacity	L	80			80			80		
Total machine weight	t	8.8			8.9			9.9		
Machine dimension (LxWxH)	m	5.9×1.6×2.3			6.0×1.6×2.3			6.4×1.6×2.3		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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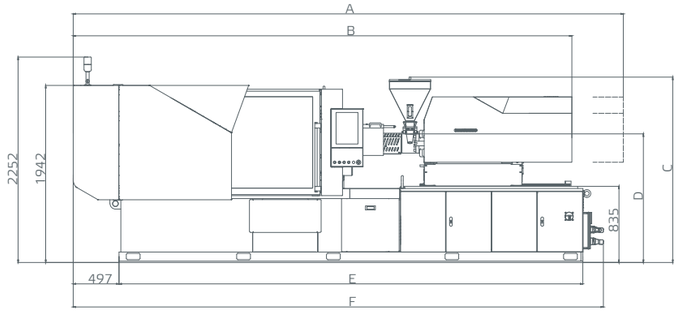
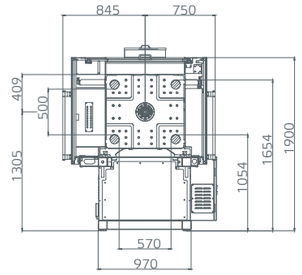
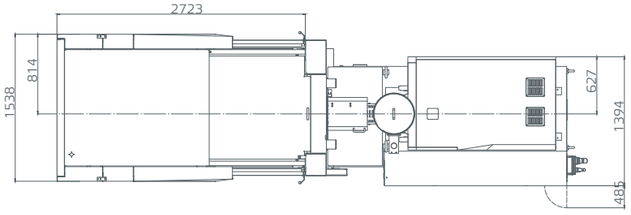
Front view of machine dimension



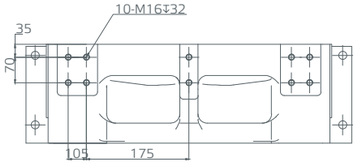
Robot installation dimension



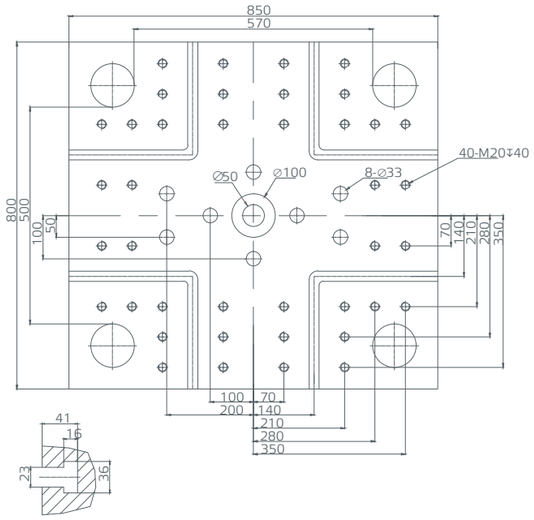
Top view of machine dimension



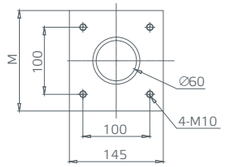
Robot fixed platen dimension



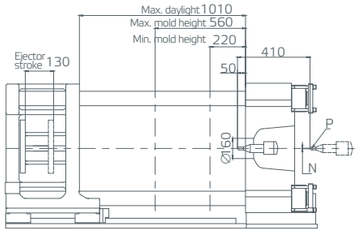
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	M	N	P
e500/e500h	5940	5470	2035	1410	5085	5812	156	∅3	SR10
e620/e620h	6000	5530	2035	1410	5085	5812	156	∅3	SR10
e840/e840h	6425	6015	2180	1435	5585	6318	156	∅4	SR15

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E258c								
Clamping force	kN	2580								
Clamping stroke	mm	500								
Space between tie bars	mm	600x550								
Max. mold height	mm	600								
Min. mold height	mm	250								
Ejector stroke	mm	140								
Ejector force	kN	68								
No. of ejector pins	piece	9								
Max. daylight	mm	1100								
Min. mold dimension	mm	420x385								
Platen dimensions (HxV)	mm	920x870								
Injection unit	Unit	e620			e840			e1100		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	42	45	50	45	50	55	50	55	60
Screw L/D ratio	L/D	21.4	20.0	18.0	22.2	20.0	18.2	22.0	20.0	18.3
Shot size (theoretical)	cm^3	270	310	383	342	422	511	471	570	679
Injection weight (PS)	g	246	282	348	311	384	465	429	519	618
Injection pressure	MPa	230	200	162	247	200	165	224	185	155
	kgf/cm^2	2340	2040	1650	2520	2040	1690	2280	1890	1590
Holding pressure	MPa	184	160	130	198	160	132	179	148	124
	kgf/cm^2	1870	1630	1320	2020	1630	1350	1830	1510	1270
Injection rate into air (PS)	g/s	252	289	357	232	286	346	286	346	412
Screw speed	rpm	350			300			350		
Max. injection speed	mm/s	200			160			160		
Injection stroke	mm	195			215			240		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e620h			e840h			e1100h		
Max. injection speed	mm/s	400			300			300		
Injection rate into air	g/s	504	579	715	434	536	649	536	649	772
Others	Unit	e620/e620h			e840/e840h			e1100/e1100h		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	11			11			11		
Total power capacity	kW	38/68 (h)			61/75 (h)			62 /92 (h)		
Heater power	kW	14.0			18.7			20.4		
Hopper capacity	kg	25			50			50		
Oil tank capacity	L	80			80			80		
Total machine weight	t	10.7			11.9			12.4		
Machine dimension (LxWxH)	m	6.2×1.7×2.3			6.7×1.7×2.3			6.9×1.7×2.3		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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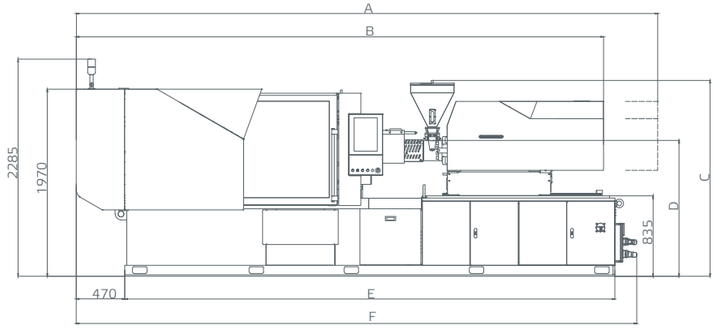
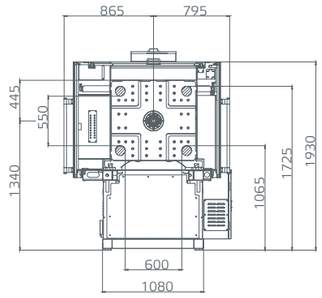
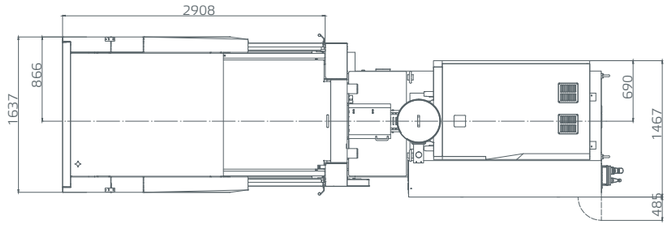
Front view of machine dimension



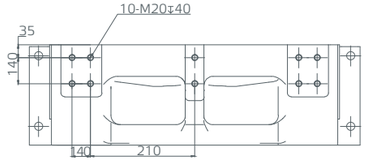
Robot installation dimension



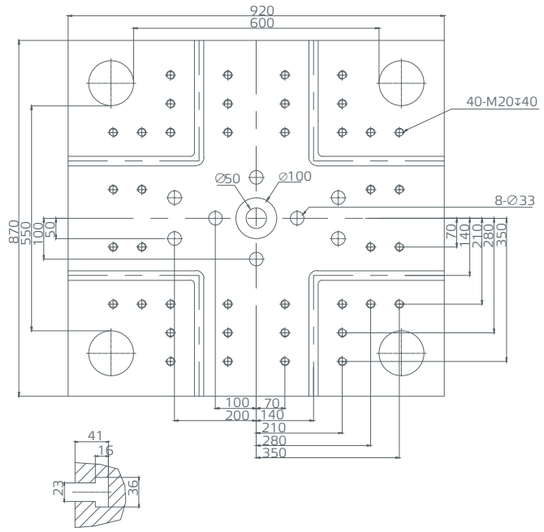
Top view of machine dimension



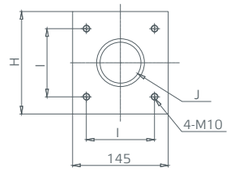
Robot fixed platen dimension



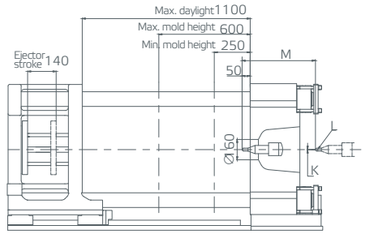
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	H	I	J	K	L	M
e620/e620h	6245	5745	2070	1445	5515	6215	156	100	∅60	∅3	SR10	500
e840/e840h	6665	6232	2221	1470	6015	6715	156	100	∅60	∅4	SR15	550
e1100/e1100h	6870	6370	2390	1480	5715	6750	156	100	∅60	∅4	SR15	600

Unit：mm

NEO·E

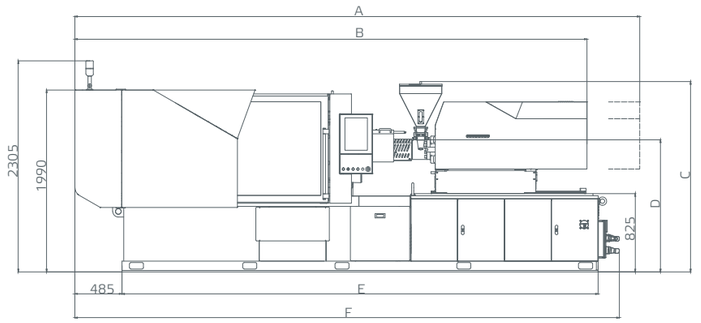
NEO·Ec Parameters

Clamping unit	Unit	NEO·E328c								
Clamping force	kN	3280								
Clamping stroke	mm	580								
Space between tie bars	mm	700x650								
Max. mold height	mm	700								
Min. mold height	mm	280								
Ejector stroke	mm	150								
Ejector force	kN	134								
No. of ejector pins	piece	13								
Max. daylight	mm	1280								
Min. mold dimension	mm	490x455								
Platen dimensions (HxV)	mm	1050x1000								
Injection unit	Unit	e840			e1100			e1400		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	45	50	55	50	55	60	55	60	65
Screw L/D ratio	L/D	22.2	20.0	18.2	22.0	20.0	18.3	21.8	20.0	18.5
Shot size (theoretical)	cm³	342	422	511	471	570	679	618	735	863
Injection weight (PS)	g	311	384	465	429	519	618	562	669	785
Injection pressure	MPa	247	200	165	224	185	155	220	185	158
	kgf/cm²	2520	2040	1690	2280	1890	1590	2250	1890	1610
Holding pressure	MPa	198	160	132	179	148	124	176	148	126
	kgf/cm²	2020	1630	1350	1830	1510	1270	1800	1510	1290
Injection rate into air (PS)	g/s	232	286	346	286	346	412	346	412	483
Screw speed	rpm	300			350			350		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	215			240			260		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e840h			e1100h			e1400h		
Max. injection speed	mm/s	300			300			300		
Injection rate into air	g/s	434	536	649	536	649	772	649	772	906
Others	Unit	e840/e840h			e1100/e1100h			e1400/e1400h		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	11			11			11		
Total power capacity	kW	61/75 (h)			62/92 (h)			74/104 (h)		
Heater power	kW	18.7			20.4			24.0		
Hopper capacity	kg	50			50			50		
Oil tank capacity	L	100			100			100		
Total machine weight	t	15.0			15.6			15.8		
Machine dimension (LxWxH)	m	7.2×1.9×2.3			7.4×1.9×2.3			7.5×1.9×2.3		

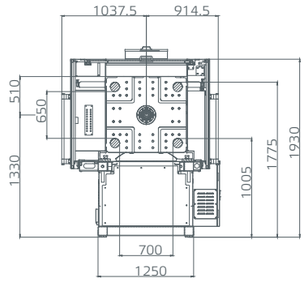
Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
Please inform us if you have requirement for engineering material like PVC, PMMA or some special requirement.

Due to continuous improvements, we reserve the right to modify any aspect of the specification without prior notice.

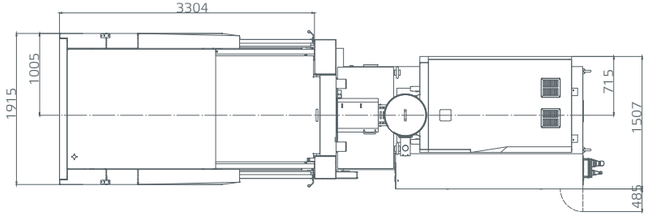
Front view of machine dimension



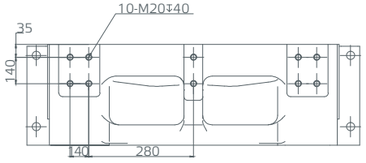
Robot installation dimension



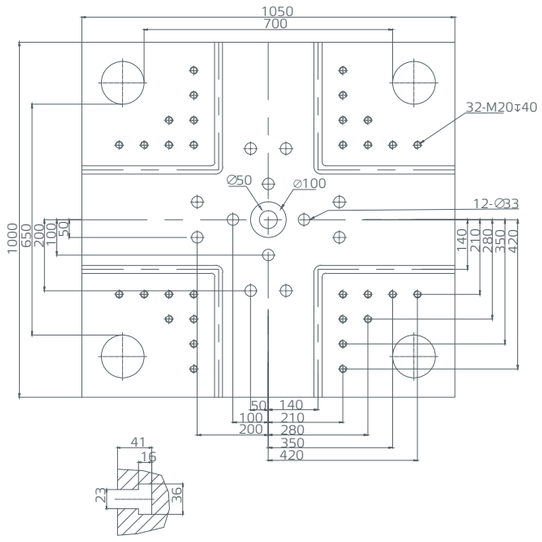
Top view of machine dimension



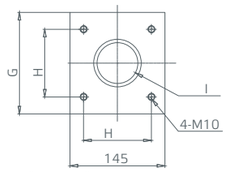
Robot fixed platen dimension



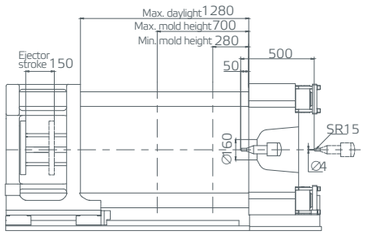
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	G	H	I
e840/e840h	7128	6628	2211	1460	6215	7230	156	100	∅60
e1100/e1100h	7330	6830	2095	1470	6515	7230	156	100	∅60
e1400/e1400h	7438	6938	2221	1470	6615	7230	156	100	∅60

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E388c								
Clamping force	kN	3880								
Clamping stroke	mm	650								
Space between tie bars	mm	750x700								
Max. mold height	mm	750								
Min. mold height	mm	280								
Ejector stroke	mm	160								
Ejector force	kN	134								
No. of ejector pins	piece	13								
Max. daylight	mm	1400								
Min. mold dimension	mm	525x490								
Platen dimensions (HxV)	mm	1110x1060								
Injection unit	Unit	e1100			e1400			e1700		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	65	60	65	70
Screw L/D ratio	L/D	22.0	20.0	18.3	21.8	20.0	18.5	21.7	20.0	18.6
Shot size (theoretical)	cm³	471	570	679	618	735	863	792	929	1078
Injection weight (PS)	g	429	519	618	562	669	785	720	846	981
Injection pressure	MPa	224	185	155	220	185	158	217	185	160
	kgf/cm²	2280	1890	1590	2250	1890	1610	2220	1890	1630
Holding pressure	MPa	179	148	124	176	148	126	174	148	128
	kgf/cm²	1830	1510	1270	1800	1510	1290	1770	1510	1300
Injection rate into air (PS)	g/s	286	346	412	346	412	483	412	483	560
Screw speed	rpm	350			350			250		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	240			260			280		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e1100h			e1400h			e1700h		
Max. injection speed	mm/s	300			300			250		
Injection rate into air	g/s	536	649	772	649	772	906	643	755	876
Others	Unit	e1100/e1100h			e1400/e1400h			e1700/e1700h		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	11			11			11		
Total power capacity	kW	62/92 (h)			74/104 (h)			89/108 (h)		
Heater power	kW	20.4			24.0			28.4		
Hopper capacity	kg	50			50			50		
Oil tank capacity	L	100			100			100		
Total machine weight	t	17.3			17.5			18		
Machine dimension (LxWxH)	m	7.8×2.0×2.2			7.8×2.0×2.2			8.2×2.0×2.2		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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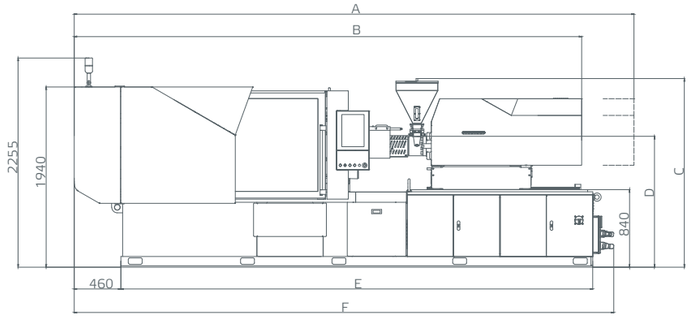
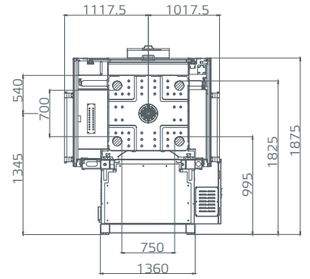
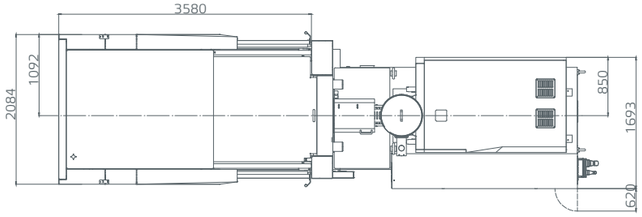
Front view of machine dimension



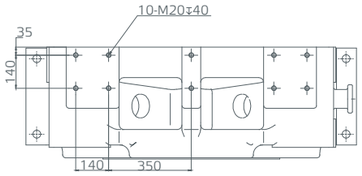
Robot installation dimension



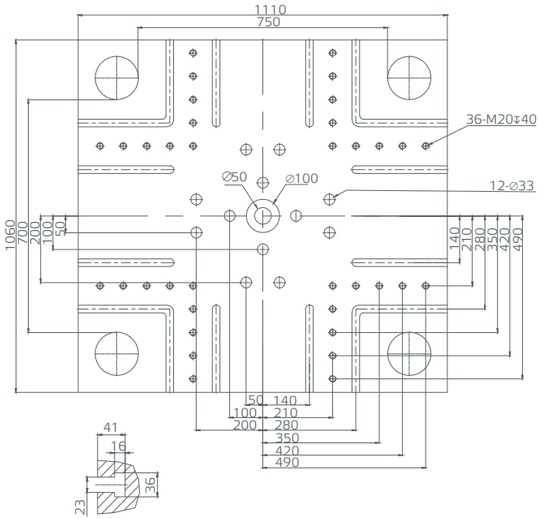
Top view of machine dimension



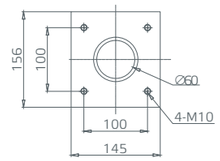
Robot fixed platen dimension



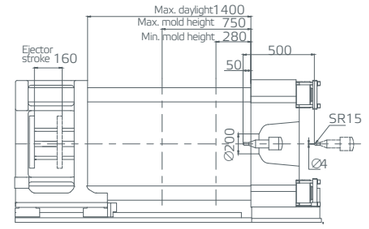
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F
e1100/e1100h	7625	7123	2235	1485	7245	7845
e1400/e1400h	7833	7235	2235	1485	7245	7845
e1700/e1700h	8188	7688	2235	1485	7572	8145

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E478c								
Clamping force	kN	4780								
Clamping stroke	mm	710								
Space between tie bars	mm	850x800								
Max. mold height	mm	800								
Min. mold height	mm	320								
Ejector stroke	mm	180								
Ejector force	kN	134								
No. of ejector pins	piece	17								
Max. daylight	mm	1510								
Min. mold dimension	mm	595x560								
Platen dimensions (HxV)	mm	1270x1220								
Injection unit	Unit	e1400			e1700			e2300		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	55	60	65	60	65	70	65	70	80
Screw L/D ratio	L/D	21.8	20.0	18.5	21.7	20.0	18.6	21.5	20.0	17.5
Shot size (theoretical)	cm³	618	735	863	792	929	1078	1078	1251	1634
Injection weight (PS)	g	562	669	785	720	846	981	981	1138	1487
Injection pressure	MPa	220	185	158	217	185	160	215	185	142
	kgf/cm²	2250	1890	1610	2220	1890	1630	2190	1890	1450
Holding pressure	MPa	176	148	126	174	148	128	172	148	114
	kgf/cm²	1800	1510	1290	1770	1510	1300	1750	1510	1160
Injection rate into air (PS)	g/s	346	412	483	412	483	560	483	560	643
Screw speed	rpm	350			250			220		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	260			280			325		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e1400h			e1700h					
Max. injection speed	mm/s	300			250					
Injection rate into air	g/s	649	772	906	643	755	876			
Others	Unit	e1400/e1400h			e1700/e1700h			e2300		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	16			16			16		
Total power capacity	kW	74/104 (h)			89/108 (h)			117		
Heater power	kW	24.0			28.4			33.0		
Hopper capacity	kg	50			50			50		
Oil tank capacity	L	100			100			150		
Total machine weight	t	26			26.5			27.5		
Machine dimension (LxWxH)	m	8.0×2.1×2.3			8.5×2.1×2.3			8.7×2.1×2.3		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
Please inform us if you have requirement for engineering material like PVC, PMMA or some special requirement.

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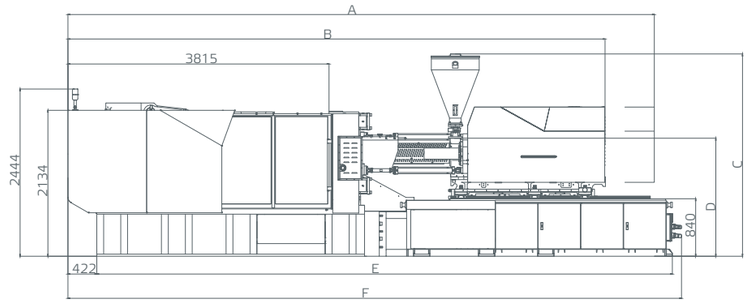
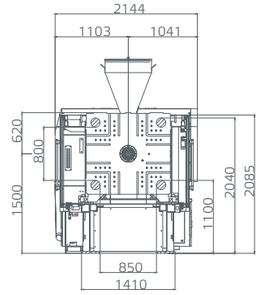
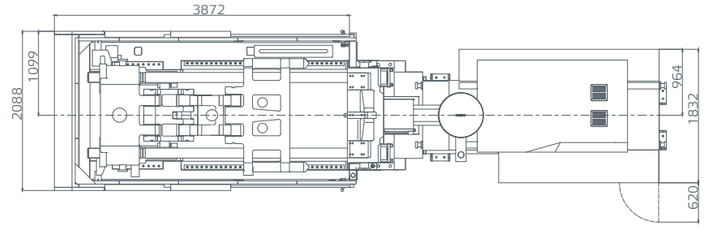
Front view of machine dimension



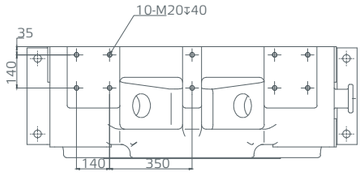
Robot installation dimension



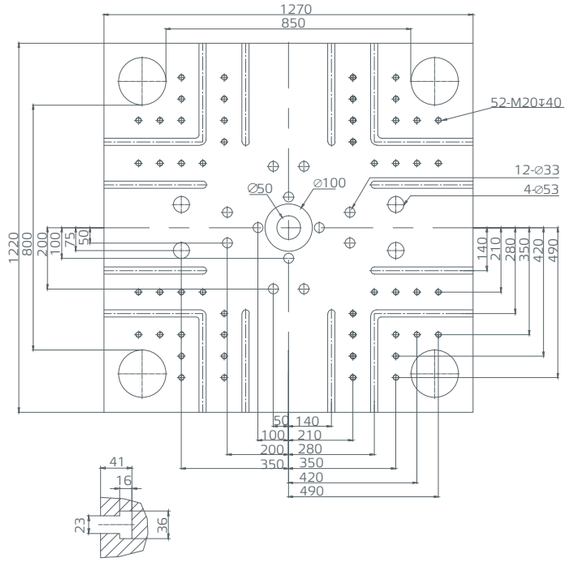
Top view of machine dimension



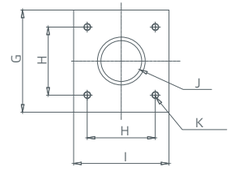
Robot fixed platen dimension



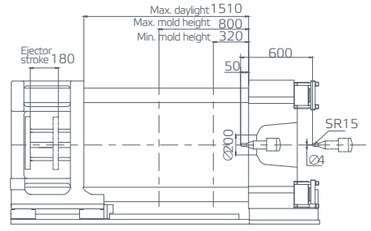
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	G	H	I	J	K
e1400/e1400h	8025	7425	2425	1515	3410	7385	156	100	145	⌀60	4-M10
e1700/e1700h	8485	7885	2445	1535	3410	7385	156	100	145	⌀60	4-M10
e2300	8725	8125	2445	1535	3840	7815	196	160	185	⌀90	4-M10

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E568c								
Clamping force	kN	5680								
Clamping stroke	mm	900								
Space between tie bars	mm	980x870								
Max. mold height	mm	900								
Min. mold height	mm	400								
Ejector stroke	mm	200								
Ejector force	kN	134								
No. of ejector pins	piece	17								
Max. daylight	mm	1800								
Min. mold dimension	mm	685x610								
Platen dimensions (HxV)	mm	1420x1350								
Injection unit	Unit	e1700			e2300			e3400		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	60	65	70	65	70	80	70	80	90
Screw L/D ratio	L/D	21.7	20.0	18.6	21.5	20.0	17.5	22.9	20.0	17.8
Shot size (theoretical)	cm^3	792	929	1078	1078	1251	1634	1424	1860	2354
Injection weight (PS)	g	720	846	981	981	1138	1487	1296	1693	2142
Injection pressure	MPa	217	185	160	215	185	142	242	185	146
	kgf/cm^2	2220	1890	1630	2190	1890	1450	2470	1890	1490
Holding pressure	MPa	174	148	128	172	148	114	194	148	117
	kgf/cm^2	1770	1510	1300	1750	1510	1160	1980	1510	1190
Injection rate into air (PS)	g/s	412	483	560	483	560	732	560	732	926
Screw speed	rpm	250			220			180		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	280			325			370		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit	e1700h								
Max. injection speed	mm/s	250								
Injection rate into air	g/s	643	755	876						
Others	Unit	e1700/e1700h			e2300			e3400		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	32			32			32		
Total power capacity	kW	89/108 (h)			117			140		
Heater power	kW	28.4			33.0			40.0		
Hopper capacity	kg	50			50			50		
Oil tank capacity	L	300			300			300		
Total machine weight	t	31			32.5			34		
Machine dimension (LxWxH)	m	10.1×2.6×2.5			10.1×2.6×2.5			10.1×2.6×2.5		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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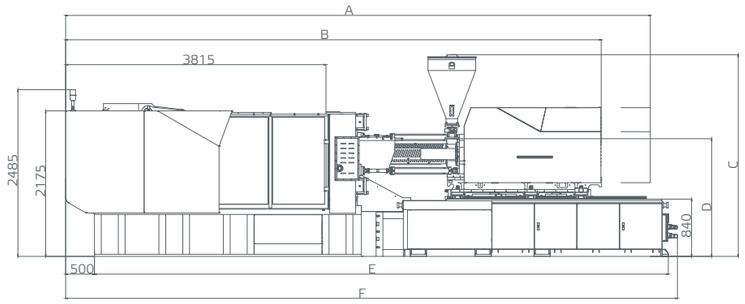
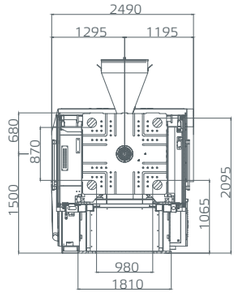
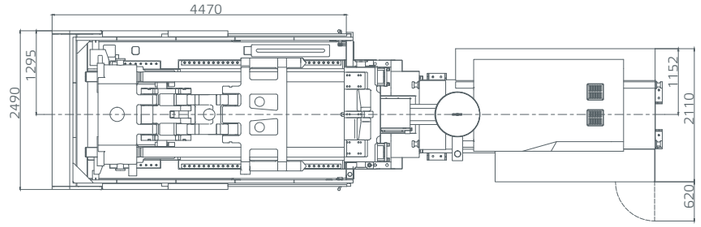
Front view of machine dimension



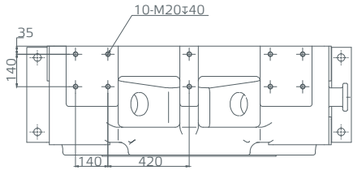
Robot installation dimension



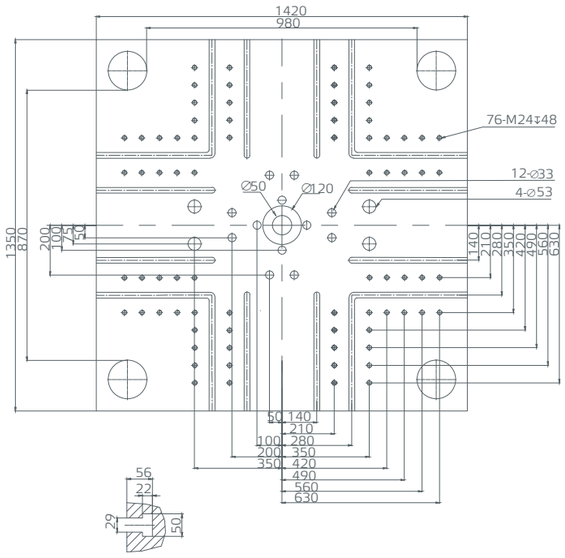
Top view of machine dimension



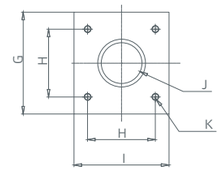
Robot fixed platen dimension



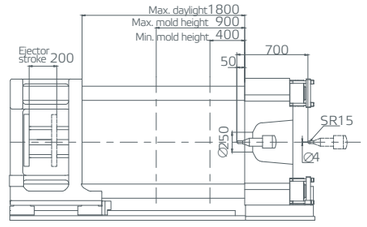
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	G	H	I	J	K
e1700/e1700h	8667	8067	2286	1660	8512	9152	156	100	145	⌀60	4-M10
e2300	9200	8600	2560	1660	8932	9572	196	160	185	⌀90	4-M12
e3400	9165	8365	2957	1725	9432	10072	196	160	185	⌀90	4-M12

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E668c								
Clamping force	kN	6680								
Clamping stroke	mm	1000								
Space between tie bars	mm	1080x1080								
Max. mold height	mm	1100								
Min. mold height	mm	420								
Ejector stroke	mm	200								
Ejector force	kN	240								
No. of ejector pins	piece	21								
Max. daylight	mm	2000								
Min. mold dimension	mm	755x755								
Platen dimensions (HxV)	mm	1550x1550								
Injection unit	Unit	e2300			e3400			e5300		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	65	70	80	70	80	90	80	90	100
Screw L/D ratio	L/D	21.5	20.0	17.5	22.9	20.0	17.8	24.8	22.0	19.8
Shot size (theoretical)	cm³	1078	1251	1634	1424	1860	2354	2262	2863	3534
Injection weight (PS)	g	981	1138	1487	1296	1693	2142	2058	2605	3216
Injection pressure	MPa	215	185	142	242	185	146	234	185	150
	kgf/cm²	2190	1890	1450	2470	1890	1490	2390	1890	1530
Holding pressure	MPa	172	148	114	194	148	117	187	148	120
	kgf/cm²	1750	1510	1160	1980	1510	1190	1910	1510	1220
Injection rate into air (PS)	g/s	483	560	732	560	732	926	732	926	1144
Screw speed	rpm	220			180			160		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	325			370			450		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit									
Max. injection speed	mm/s									
Injection rate into air	g/s									
Others	Unit	e2300			e3400			e5300		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	51			51			51		
Total power capacity	kW	117			146			177		
Heater power	kW	33.0			40.0			58.0		
Hopper capacity	kg	50			50			100		
Oil tank capacity	L	400			400			400		
Total machine weight	t	43			44.5			46		
Machine dimension (LxWxH)	m	9.9×2.8×2.5			11.0×2.8×2.5			11.2×2.8×2.5		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
Please inform us if you have requirement for engineering material like PVC, PMMA or some special requirement.

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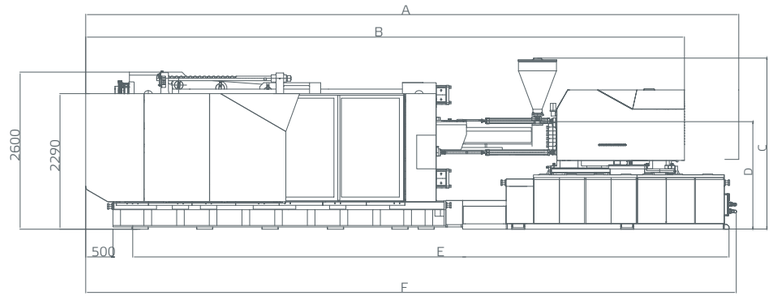
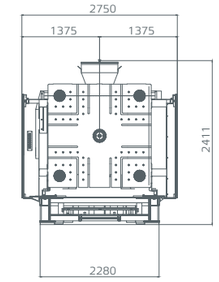
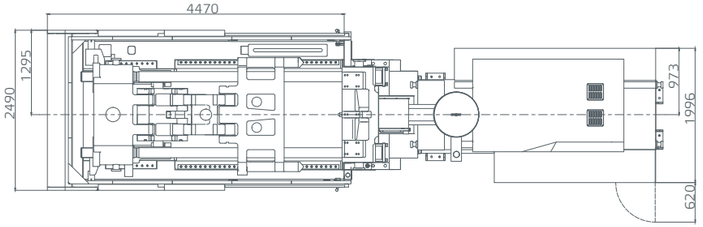
Front view of machine dimension



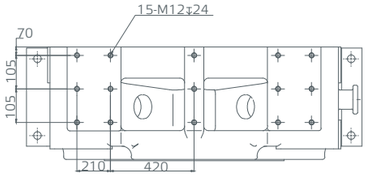
Robot installation dimension



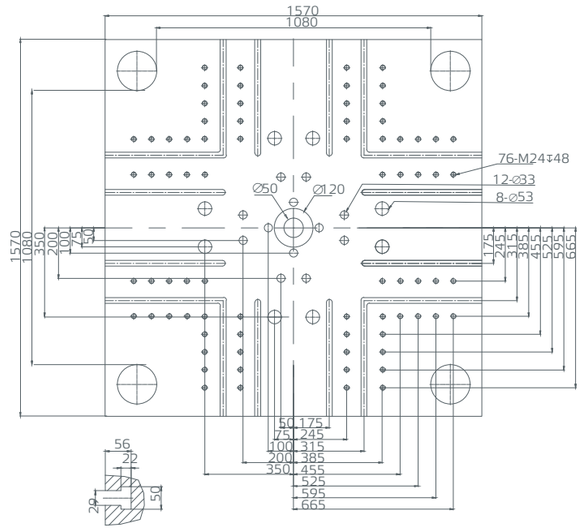
Top view of machine dimension



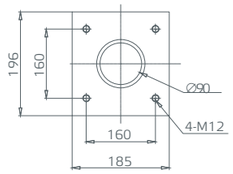
Robot fixed platen dimension



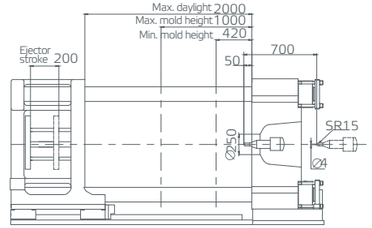
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F
e2300	9615	8915	2200	1660	9435	10075
e3400	9380	8680	2957	1725	10345	10075
e5300	10125	9405	3200	1890	10695	11335

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E808c								
Clamping force	kN	8080								
Clamping stroke	mm	1000								
Space between tie bars	mm	1080x1080								
Max. mold height	mm	1000								
Min. mold height	mm	420								
Ejector stroke	mm	200								
Ejector force	kN	240								
No. of ejector pins	piece	21								
Max. daylight	mm	2000								
Min. mold dimension	mm	755x755								
Platen dimensions (HxV)	mm	1550x1550								
Injection unit	Unit	e2300			e3400			e5300		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	65	70	80	70	80	90	80	90	100
Screw L/D ratio	L/D	21.5	20.0	17.5	22.9	20.0	17.8	24.8	22.0	19.8
Shot size (theoretical)	cm^3	1078	1251	1634	1424	1860	2354	2262	2863	3534
Injection weight (PS)	g	981	1138	1487	1296	1693	2142	2058	2605	3216
Injection pressure	MPa	215	185	142	242	185	146	234	185	150
	$kgf\ cm^2$	2190	1890	1450	2470	1890	1490	2390	1890	1530
Holding pressure	MPa	172	148	114	194	148	117	187	148	120
	$kgf\ cm^2$	1750	1510	1160	1980	1510	1190	1910	1510	1220
Injection rate into air (PS)	g/s	483	560	732	560	732	926	732	926	1144
Screw speed	rpm	220			180			160		
Max. injection speed	mm/s	160			160			160		
Injection stroke	mm	325			370			450		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit									
Max. injection speed	mm/s									
Injection rate into air	g/s									
Others	Unit	e2300			e3400			e5300		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	51			51			51		
Total power capacity	kW	117			146			177		
Heater power	kW	33.0			40.0			58.0		
Hopper capacity	kg	50			50			100		
Oil tank capacity	L	400			400			400		
Total machine weight	t	43			44.5			46		
Machine dimension (LxWxH)	m	9.9×2.8×2.5			11.0×2.8×2.5			11.2×2.8×2.5		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm^2) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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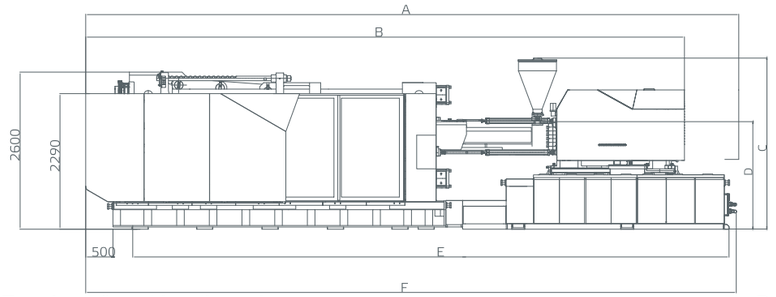
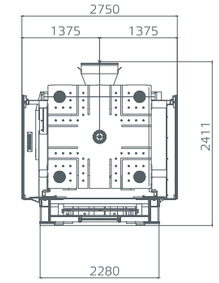
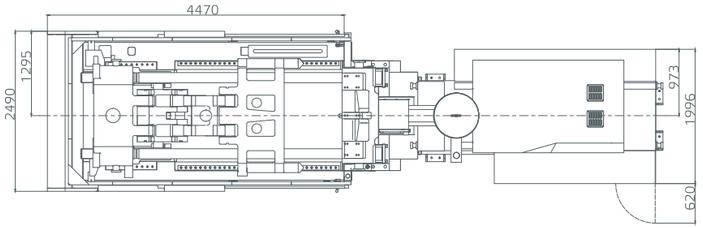
Front view of machine dimension



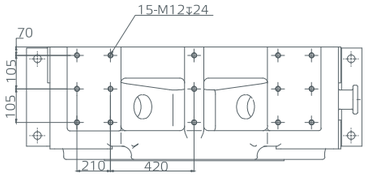
Robot installation dimension



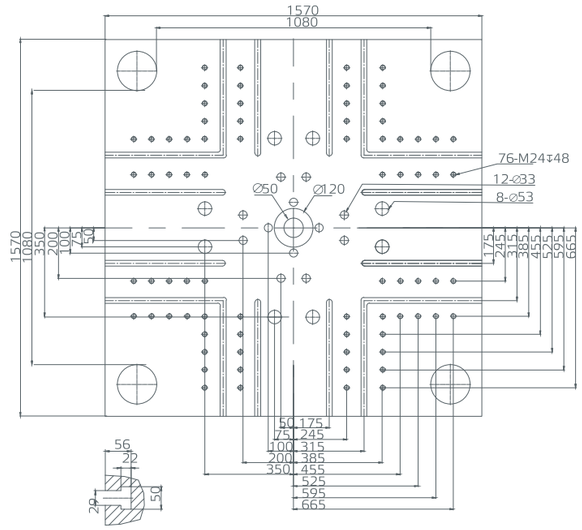
Top view of machine dimension



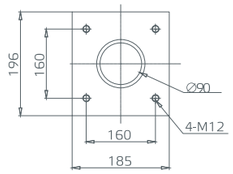
Robot fixed platen dimension



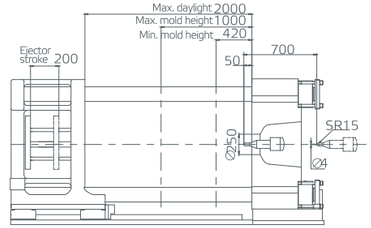
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F
e2300	9615	8915	2200	1660	9435	10075
e3400	9380	8680	2957	1725	10345	10075
e5300	10125	9405	3200	1890	10695	11335

Unit：mm

NEO·E

NEO·Ec Parameters

Clamping unit	Unit	NEO·E1088c								
Clamping force	kN	10880								
Clamping stroke	mm	1300								
Space between tie bars	mm	1320x1320								
Max. mold height	mm	1200								
Min. mold height	mm	500								
Ejector stroke	mm	200								
Ejector force	kN	240								
No. of ejector pins	piece	25								
Max. daylight	mm	2500								
Min. mold dimension	mm	925x925								
Platen dimensions (HxV)	mm	1980x1980								
Injection unit	Unit	e3400			e5300			e7300		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	70	80	90	80	90	100	90	100	110
Screw L/D ratio	L/D	22.9	20.0	17.8	24.8	22.0	19.8	24.4	22.0	20.0
Shot size (theoretical)	cm³	1424	1860	2354	2262	2863	3534	3181	3927	4752
Injection weight (PS)	g	1296	1693	2142	2058	2605	3216	2895	3574	4324
Injection pressure	MPa	242	185	146	234	185	150	228	185	153
	kgf cm²	2470	1890	1490	2390	1890	1530	2330	1890	1560
Holding pressure	MPa	194	148	117	187	148	120	182	148	122
	kgf cm²	1980	1510	1190	1910	1510	1220	1860	1510	1240
Injection rate into air (PS)	g/s	560	732	926	732	926	1144	868	1072	1297
Screw speed	rpm	180			160			160		
Max. injection speed	mm/s	160			160			150		
Injection stroke	mm	370			450			500		
Nozzle contact force	kN	82			82			82		
Injection unit	Unit									
Max. injection speed	mm/s									
Injection rate into air	g/s									
Others	Unit	e3400			e5300			e7300		
Max. pump pressure	Mpa	17.5			17.5			17.5		
Pump motor power	kW	51			51			51		
Total power capacity	kW	146			177			229		
Heater power	kW	40.0			58.0			69.0		
Hopper capacity	kg	50			100			100		
Oil tank capacity	L	400			400			400		
Total machine weight	t	70			72			75		
Machine dimension (LxWxH)	m	11.3×3.1×2.8			11.3×3.1×2.8			12.0×3.1×2.8		

Remarks:
Shot size (theoretical) = Cross-sectional area of barrel(cm²) * injection stroke(cm)
Injection Weight = Shot size (theoretical)*0.91 (0.91 is the density of PS material)
Injection Weight and Injection rate into air is depends on material and parameters settings. The data in the table is for reference.
The injection pressure in the table is the maximum you can set. The truth date can be set as per your requirement.
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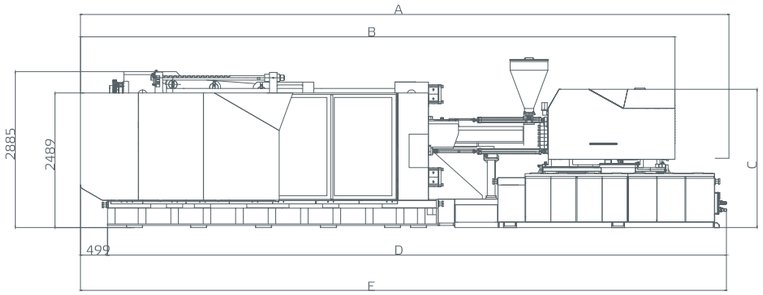
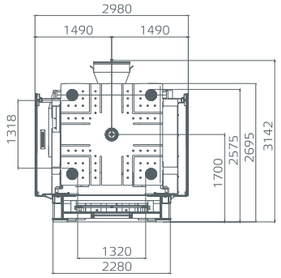
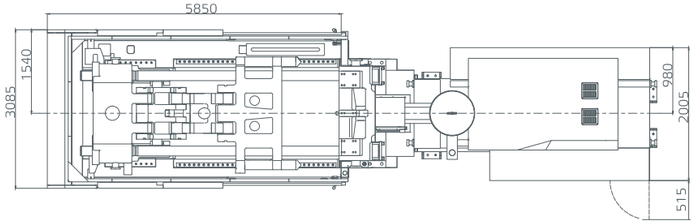
Front view of machine dimension



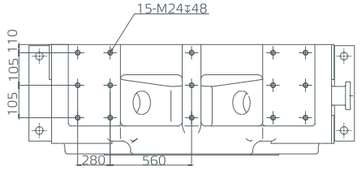
Robot installation dimension



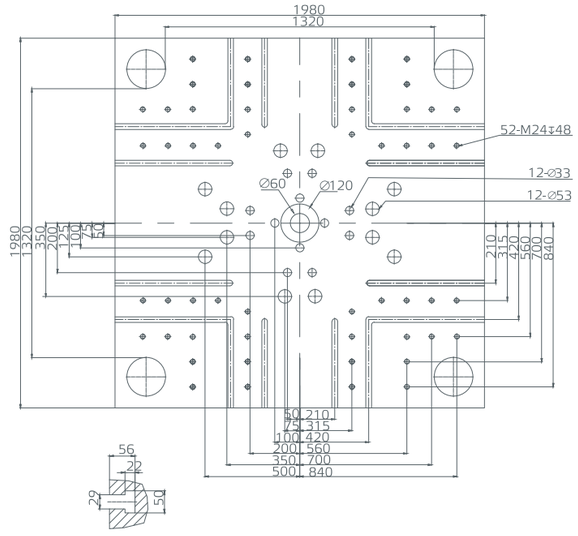
Top view of machine dimension



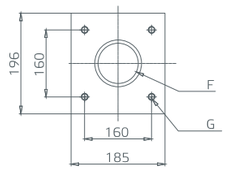
Robot fixed platen dimension



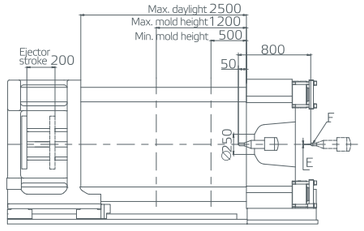
Moving platen dimension



Feeding port dimensions



Clamping unit



Injection unit	A	B	C	D	E	F	G
e3400	10567	9847	3157	11000	11499	⌀90	4-M12
e5300	11154	10434	3236	11310	11809	⌀90	4-M12
e7300	11988	10988	3142	11310	11809	⌀90	4-M12

Unit：mm

NEO·E

NEO·Ec Components & functions list

For clamping

Function description / Clamping unit	NEO·E168c-NEO·E208c	NEO·E258c-NEO·E478c	NEO·E568c-NEO·E1088c
Platen with T slots	●	●	●
Platen with tapped holes	○	○	○
Platen (According to EUROMAP 2)	○	○	○
High rigid 5 points clamping unit	●	●	●
Mechanical & electrical safety	●	●	●
Hydraulic motor for mold heigh adjustment	●	●	●
Electric motor for mold heigh adjustment	○	○	○
Auto-mold height adjustment function	●	●	●
Second clamping adjustment function	●	●	●
Auto central lubrication system	●	●	●
Adjustable support for moving platen			●
High rigidity steel wear strips for moving platen			●
Overload line guide rail for moving platen	●	●	○
Mobile security lid for clamping unit	●	○	○
Auto safety door		○	○
Front safety door mechanical lock	●	●	●
Back safety door mechanical lock	○	○	○
Robot mechanical interface	●	●	●
Inlaid location ring	●	●	●
Mold protection	●	●	●
Eject pin return confirm	●	●	●
Ejection process checking connector	●	●	●
Six groups quick coupling of water regulator(10mm)	●		
Eight groups quick coupling for water regulator(10mm)	○	●	
Twelve groups quick coupling for of water regulator	○	○	●
Two air blow circuits	●	●	●
Glass water flow regulators	○	○	○
One group of hydraulic corepulling	●	●	●
Inclined plate for material feed-throat	○	○	
Products dropping test device	○	○	
Hydraulic ejection device			

● Standard ○ Optional

For injection

Function description/ Injection unit	e360-e2300	e3400-e7300
Standard screw	●	●
Special screw	○	○
Shut off nozzle	○	○
Linear electric injection structure	●	
Ball screw electric injection structure		●
Dual hydraulic cylinder base movement device	●	●
Screw rotating speed display	●	●
Electrical plasticizing	●	●
Temp-monitoring for material feeding throat	●	●
Temp-monitoring for ball screw	●	●
Double barrel insulation cover	●	●
Nozzle cover	●	●
Auto centralized lubrication device	●	●
Ceramic heater band	●	●
Ball Screw mobile feed hopper	●	

For electic

Function description / Clamping unit	NEO·E168c-NEO·E1088c
KEBA controller	●
Memory with 200 sets of mold parameters	●
15 color touch display screen	●
All action instant monitoring	●
Production monitoring	●
Failure alarm display	●
Injection pressure turns holding pressure function	●
I/O monitoring interface	●
3 color light (with buzzer)	●
Motor overload protection	●
Front/back door emergency stop switch	●
5 pins socket of 380V/32A, two groups 5 pins socket of 380V/16A, one group 3 pins socket of 220V/16A, one group Socket of 220V/10A, one group	●
EUROMAP 12 robot interface	●
EUROMAP 67 robot interface	○
Double protection for heating	●
Safety relay monitoring	●
SSR heating control	●
Central network control system	○
Hot runner control system & interface	○
Instant power consumption monitoring	●
Instant clamping force monitoring	○
Instant clamping force monitoring self-adjusting function	○
Injection pressure and speed in waveform display	●
Multiple languages switching	●
Preplasticizing Eject while mould open function	●
Coordinate heating	●
Anti cold start function	●
Auto residual material cleaning function	●
Power off self protection function	●

● Standard ○ Optional

NEO·E

NEO·Ec Components & functions list

For others

Function description / Other	NEO·E168c-NEO·E1088c
Tederic standard color	●
Shock-proof pad	●
Foundation steel plate, Foundation anchor bolts	○
Spare parts box, tools, mold, clamps, easy broken parts, and operation manual	●
Robot	○
Magnetic (for hopper dryer)	○
Chiller	○
Mould temp controller	○
Dehumidifier	○
Autoloader	○
Fumigate wood packaging	○
Products fetching platform	○

● Standard ○ Optional